

Attachment D**Table of Contents**

PART I	3
GENERAL INFORMATION.....	3
A. GOALS FOR PARTICIPATION BY DISADVANTAGED BUSINESS ENTERPRISES (DBE'S)	4
Dealer/Distributor Certificate	9
Manufacturer Certificate	10
Statement of DBE Participation in Subcontracting	11
B. PRE-AWARD CERTIFICATIONS	13
Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C)	15
Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)	16
PRE-AWARD PURCHASER'S REQUIREMENTS CERTIFICATION	17
PRE-AWARD FMVSS CERTIFICATION	18
C. BUS TESTING	19
D. LOBBYING - 31 U.S.C. 1352, 49 C.F.R. Part 19 & 49 C.F.R. Part 20.....	20
E. GOVERNMENT-WIDE DEBARMENT AND SUSPENSION	22
F. CONDITIONS OF SALE	24
Certificate of Compliance.....	32
G. FEDERAL TRANSIT ADMINISTRATION REQUIREMENTS	33
1) No Federal Government Obligations to Third Parties	33
2) False or Fraudulent Statements or Claims	33
3) Access to Third Party Contract Records	33
4) Federal Changes.....	34
5) Civil Rights.....	34
6) Incorporation of Federal Transit Administration (FTA) Terms.....	37
7) Energy Conservation.....	37
8) Right of the Federal Government to Terminate	38
9) Debarment and Suspension.....	38
10) Disputes, Breaches, Defaults, or Other Litigation	38
11) Clean Air.....	39
12) Clean Water	39
13) Energy Conservation.....	39

14) Recycled Products.....	40
15) Nonconstruction Employee Protective Arrangements	40
16) Special Notification Requirements for States	40
EXHIBIT 1 – CYCLE DESTINATION CHART	41
PART II.....	43
VEHICLE SPECIFICATIONS.....	43
Line Item 00001: Mini Van.....	44
Line Item 00002: Mini Van, Lowered Floor, REAR LOAD Ramp Equipped	45
Line Item 00003: Mini Van, Lowered Floor, SIDE LOAD Ramp Equipped.....	49
Line Item 00004: Specialized Transit Vehicle.....	53
Line Item 00005: Mini Bus	57
Line Item 00006: Mini Bus - ACCESSIBLE.....	62
Line Item 00007: Mini Bus – SINGLE REAR WHEEL.....	65
Line Item 00008: Medium Bus.....	72
Line Item 00009: Medium Bus – LOW FLOOR.....	79
Line Item 00010: Large Bus.....	86
Line Item 00011: Conventional Bus on Cowl Chassis	93
APPENDIX A.....	100

PART I

GENERAL INFORMATION INTRODUCTION

1. The Wisconsin Department of Transportation is acting as an agent for a group of private, nonprofit organizations and public entities in this transaction in support of a federally funded Section 5310 program. The Department will supply vendors with the information needed to prepare titling and registration papers, as well as delivery instructions, for each vehicle. (5310 vehicle delivery destinations are shown on page 39).
2. Funding for this project is 80% from State or Federal funds and 20% from private, nonprofit agencies or local units of government receiving the equipment. The equipment will be used by all of the participating agencies to provide specialized transportation services to elderly and/or disabled persons.
3. A payment will be made to vendors by the Wisconsin Department of Transportation for the entire bid price when the vehicle is delivered and accepted. Correspondingly, all purchase orders will be issued by the Department of Transportation, and all bills or invoices are to be directed to the "Department of Transportation". Further details are given in section F —Conditions of Sale.
4. All of the specified vehicles will be operated as Human Services Vehicles. All of the vehicles must therefore conform to the design and construction standards as stated in TRANS 301 - Wisconsin Administrative Code, https://docs.legis.wisconsin.gov/code/admin_code/trans/301/.
5. **All** equipment must meet applicable Federal Motor Vehicle Safety Standards (FMVSS) at the time of vehicle delivery including FMVSS 403 and 404 regarding lift interlock devices.
6. A list of options for the vehicles in this bid specification may be found in Appendix A. Options shall be priced separately from the vehicles.
7. Various certifications are required to be submitted with this bid, including one showing compliance with the FTA's Altoona Bus Testing requirements for mini buses, small buses, and medium and large buses not originally built as a school bus.
8. **A vendor whose response to this request for bids includes buses subject to the Altoona Bus Testing requirements must submit a copy of the test report for the vehicle(s) bid.**

A. GOALS FOR PARTICIPATION BY DISADVANTAGED BUSINESS ENTERPRISES (DBE'S)

The program under which these vehicles are being procured is subject to Federal regulations that seek to increase the amount of goods or services that are purchased from certain small businesses, using State and Federal financial aids. This section contains some formal statements of policies and goals, and it describes the specific actions which a bidder must take in order to make its bid valid.

1. Statement of Policy 49 C.F.R. 23.43(a)(1)

It is the policy of the U.S. Department of Transportation and the Wisconsin Department of Transportation that disadvantaged business enterprises (DBE's) as defined in Title 49, Code of Federal Regulations, Part 23 (49 C.F.R. 23) shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this program. Consequently, the DBE requirements of 49 C.F.R. 23 will apply to this program.

2. DBE Obligation 49 C.F.R. 23.43(a)(2)

The Wisconsin Department of Transportation or its contractor shall agree to ensure that DBE's as defined in 49 C.F.R. 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this program. In this regard, the Wisconsin Department of Transportation or its contractors shall take all necessary and reasonable steps in accordance with 49 C.F.R. 23 to ensure that DBE's have the maximum opportunity to compete for and perform contracts. The Wisconsin Department of Transportation and its contractor shall not discriminate on the basis of race, color, national origin or sex in the award and performance of United States DOT assisted contracts.

3. Goal for Participation by Disadvantaged Business Enterprises

Where subcontracting opportunities exist in this procurement, the Wisconsin Department of Transportation's goal is for DBE's to receive subcontracts valued at 5.52% of the total value of all subcontracts.

4. Definitions

- a. **Disadvantaged Business Enterprise.** A small business concern, as defined in Section 3 of the Small Business Act and implementing regulations which 1) is at least 51% owned by one or more socially and economically disadvantaged individuals, or, in the case of any publicly owned business, at least 51% of the stock of which is owned by one or more socially and economically disadvantaged individuals, and 2) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.
- b. **Socially and Economically Disadvantaged Individuals.** A group comprised of the following four categories of persons:

- 1) Individuals who are citizens of the United States (or lawfully admitted permanent residents) and who are Black Americans; Hispanic Americans; Native Americans; Asian-Pacific Americans; and Asian-Indian Americans.
 - 2) Individuals found to be disadvantaged by the Small Business Administration, U.S. Department of Commerce, pursuant to Section 8(a) of the Small Business Act.
 - 3) Individuals whom the Wisconsin Department of Transportation has determined on a case-by-case basis to be socially and economically disadvantaged based on federal guidance contained in Title 49, Code of Federal Regulations, Subpart D, Appendix C.
 - 4) Women.
5. Application of DBE Goals to this Procurement; Vendor Requirements
Vendors must submit along with their bids a "DBE Certificate" and a "Declaration of DBE Participation in Subcontracts."
- a. DBE Certificate.

Federal regulations permit the Wisconsin Department of Transportation to obtain vehicles under this program only from manufacturers that have goals and plans for DBE participation, which have been approved by the Federal Transit Administration. Vendors who respond to this request for bids must include with their bid a certification that the manufacturer of the basic vehicles offered has complied with federal law and regulations covering DBE participation.

NOTES:

*The DBE certification may be made either by the manufacturer itself or by its distributor or dealer. Use the appropriate certificate.

*Certifications covering each separate manufacturer of vehicles offered in a bid must be submitted. If there are three different manufacturers of vehicles, three certifications must be submitted.

*A dealer or distributor should not assume that the manufacturer or final stage manufacturer of the vehicle, which it is offering, has a FTA-approved DBE program and goal. Check the manufacturer to make sure this is true.

*A bid lacking DBE certifications will not be accepted.
 - b. Declaration of DBE Participation in Subcontracts.

A dealer that wishes to respond to this solicitation must determine whether or not

subcontracting opportunities exist. These opportunities exist if a dealer must purchase materials, manufactured parts or services from an outside supplier in order to make additions or modifications to the basic vehicles as delivered from the manufacturers. These opportunities exist regardless of whether a formal contract or a simple purchase order is used.

The following items are examples that could give rise to subcontracting opportunities:

- *Additions of roof vents or hatches.*
- *Additions of running boards or extra steps.*
- *Additions of wheelchair lifts.*
- *Additions of wheelchair securements.*
- *Modifications to vehicle interiors as provided by the vehicle manufacturers*

If these subcontracting opportunities do exist, the Wisconsin Department of Transportation and the primary vendors who wish to respond to this request for bids must demonstrate that 5.52% or more of the subcontract work will be performed by DBE's or good faith efforts were made to achieve these goals.

Good Faith Efforts - What Bidders Must Do:

The primary responsibility for making good faith efforts to obtain the participation of DBE's in this procurement rests with the primary vendors who bid on these specifications.

Having identified any products or services which it must purchase in the commercial marketplace, a primary vendor must then seek to place this business with firms so as to meet the DBE goal. In part, the primary vendor's good faith efforts must be made to identify available and suitable DBE's. If efforts to identify DBE's are successful, then good faith efforts must also be made to fairly assess the capability of the firms to perform the needed subcontract work or supply the needed products, and sound reasons must back up the decisions to place or not to place business with DBE's.

Vendors who respond to this request for bids must include with their bid a "Declaration of DBE Participation in Subcontracts," which describes the subcontracting opportunities, the amounts of DBE participation, and the efforts made to reach the DBE goal.

NOTES:

*A bid lacking the "Declaration of DBE Participation in Subcontracting" will not be accepted.

*Failure by a vendor to supply equipment in accordance with its "DBE Certificates" and "Declaration of DBE Participation in Subcontracting" shall constitute a breach of contract and may result in the cancellation of orders.

*Firms must have proof or be able to establish proof of their DBE status. This proof may be based on DBE certificates issued by WisDOT. See the references at the end of this section concerning the WisDOT certification procedure.

6. Summary

At all steps in the manufacture of the vehicles as specified, DBE's must be given the maximum opportunity to participate in contracting or subcontracting opportunities. Goals and programs for obtaining DBE participation must cover all these contracting or subcontracting opportunities. Most, if not all of these opportunities, will be covered by DBE programs of the manufacturers. A bidder must certify that the manufacturers of the vehicles offered have DBE programs and goals approved by the Federal Transit Administration.

The attached specifications call for, in certain cases, additions or modifications, which are not available from the manufacturers. The bidder must therefore seek these additions or modifications in the commercial marketplace. These opportunities to place business with outside suppliers or subcontractors are subject to the goal of 5.52% DBE participation. A bidder must describe subcontracting opportunities, the amounts of DBE participation and the efforts made to reach the DBE goal.

7. Prompt Payment and Return of Retainage

The contractor is required to pay its subcontractors performing work related to this contract for satisfactory performance of that work no later than 30 days after the contractor's receipt of payment for that work from the recipient. In addition, the contractor may not hold retainage from its subcontractors or must return any retainage payments to those subcontractors within 30 days after the subcontractor's work related to this contract is satisfactorily completed or must return any retainage payments to those subcontractors within 30 days after incremental acceptance of the subcontractor's work by the recipient and contractor's receipt of the partial retainage payment related to the subcontractor's work.

8. Basis for Selection Among Competitive Bids

Award(s) shall be made on the basis of the lowest unit price per line item. Timeliness of delivery and contract length (# OF DAYS) may be considered when making this award when deemed in the best interest of the WISDOT.

9. References

For additional information on the procedure by which small firms become certified as DBE's contact:

**Michelle Carter, Civil Rights & Compliance Section Manager
Office of Business Opportunity & Equity Compliance
Wisconsin Department of Transportation
6150 W. Fond du Lac Avenue
Milwaukee, WI 53218
Phone: (414) 438-4587**

Michele.Carter@dot.wi.gov

For general information about the requirements of this section, contact:

**Steve Hirshfeld, Section 5310 Manager
Bureau of Transit and Local Roads
Wisconsin Department of Transportation
P.O. Box 7913
Madison, WI 53707-7913
(608) 267-0209
Stephen.Hirshfeld@dot.wi.gov**

For questions regarding vendor requirements, contact:

**Beth Blanchar, Purchasing Agent
Bureau of Management Services
Wisconsin Department of Transportation
P. O. Box 7396
Madison, WI 53707 (608) 266-0709
Beth.Blanchar@dot.wi.gov**

For questions regarding requirements of Human Service Vehicles, contact:

**Motor Carrier and Inspection Section
Division of State Patrol
Wisconsin Department of Transportation
P. O. Box 7912
Madison, WI 53707-7912
(608) 267-9762 or (608) 266-0305**

Dealer/Distributor Certificate

DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE

The undersigned hereby certifies that the manufacturer of the transit vehicle offered has a Disadvantaged Business Enterprise (DBE) Program and a goal for DBE participation as required by 49 C.F.R. 23.41(e) and 49 C.F.R.23.67 which have been approved by the Federal Transit Administration.

Name of Manufacturer:_____

Certified by:_____

Dealer/Distributor Name:_____

Date:_____

Manufacturer Certificate

DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE

The undersigned hereby certifies that _____
(Name of Manufacturer)

has a Disadvantaged Business Enterprise DBE program and a goal for DBE participation as required by 49 C.F.R. 23.41 (e) and 49 C.F.R. 23.67 that has been approved by the Federal Transit Administration.

By: _____

Title: _____

Date: _____

Statement of DBE Participation in Subcontracting

I. Does your offer of equipment include subcontracting or purchasing opportunities?

☐ Yes.

☐ No. (Skip to Part V and sign.)

II. Describe the subcontracting/purchasing opportunities.

<u>Quantity</u>	<u>Description of Item</u>	<u>Cost</u>
-----------------	----------------------------	-------------

III. Will any of the subcontracts or suppliers be DBE's?

☐ No.

☐ Yes. If so, attach a sheet showing the following items:

- A. Names of suppliers or subcontractors.
- B. Addresses of suppliers or subcontractors.
- C. The quantity and description of the products or services being provided.
- D. The unit costs and total costs of these products or services.

IV. Efforts to obtain DBE participation.

In order to obtain DBE participation, a primary vendor will need to: 1) determine the availability of DBE's that provide the needed products or services; and, 2) evaluate their ability to reliably provide the products or services at the time they are needed and at a competitive price. If the primary vendor - the bidder - is unsuccessful in obtaining DBE participation, indicate what efforts were made to obtain this participation and why the efforts were not productive.

V. Signature

By_____

Company_____

Date_____

B. PRE-AWARD CERTIFICATIONS

1. Buy America Law

This procurement is subject to Federal law which makes the purchase of American made products a requirement. The law is found under 49 U.S.C. 5323(j), and the related regulations are written under Title 49 of the Code of Federal Regulations, Part 661. The law and regulations establish a general requirement as well as certain exceptions.

a. The Law

The Contractor agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7, include microcomputer equipment, software, and small purchases (currently less than \$100,000) made with capital, operating, or planning funds. Separate requirements for rolling stock are set out at 5323(j)(2)(C) and 49 C.F.R. 661.11. Rolling stock not subject to a general waiver must be manufactured in the United States and have a 60 percent domestic content.

b. Vendor Requirement

A vendor who wishes to respond to this request for bids must submit with the bid a certificate (or certificates) covering all of the vehicles offered. There are two types of certifications:

If the vehicles and related equipment that are offered are made in the U.S. or if the foreign content and final assembly location fall within the limits of the exception allowed by 49 U.S.C. 5323(j), complete the:

"Certification of Compliance with 49 U.S.C. 5323(j)"

If the vehicles and related equipment are not made in the U.S., but a vendor believes that the vehicles offered may possibly comply with the exceptions from "Buy America" that are set forth under 49 U.S.C. 5323(j)(2)(B) or (j)(2)(D), complete the"

"Certification of Non-Compliance with 49 U.S.C. 5323(j)"

c. Exceptions to "Buy America"

Exceptions can be granted only by the headquarters of the Federal Transit Administration upon request by the Wisconsin Department of Transportation. Vehicles and related equipment that do not comply with "Buy America" can only be purchased under a FTA approved exception. A vendor which anticipates noncompliance and submits a Certification of Non-Compliance will need to later be able to justify a request for an exception.

2. Purchaser's Requirements

49 C.F.R 663 - Subpart B requires that the products bid are the same as described in the bid solicitation specifications and that the proposed manufacturer is a responsible manufacturer with the capability to produce a bus that meets the specifications.

3. FMVSS

49 C.F.R. 663 - Subpart D requires that the vehicles to be provided will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National highway Traffic Safety administration in Title 49 of the Code of Federal Regulations, Part 571 or that the vehicles will not be subject to FMVSS regulations.

The manufacturer's self-certification information of compliance or a statement from the manufacturer of exemption from compliance must be submitted with the bid.

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C)**"Buy America"**

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. Section 5323(j)(2)(C), Section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended, and the regulations of 49 C.F.R. 661.11:

Date: _____

Signature: _____

Company Name: _____

Title: _____

The proposer will also provide a detailed list of all the major components and subassemblies (see list below) of the vehicle and the calculated percentage for each item of total manufacturer's cost that was made in the United States. The proposer will make available to the Contracting Officer, upon request, any and all costs and other documentation to support this listing in order to comply with 49 C.F.R. Part 661. The list of items is as follows:

Engines, transmissions, front axle assemblies, rear suspension assemblies, air compressor and pneumatic systems, generator/alternator and electrical systems, steering system assemblies, front and rear air brake assemblies, heating systems, passenger seats, driver's seat assemblies, window assemblies, entrance and exit door assemblies, door control systems, destination sign assemblies, interior lighting assemblies, front and rear end cap assemblies, front and rear bumper assemblies, specialty steel (structural steel tubing, etc.), aluminum extrusions, aluminum, steel or fiberglass exterior panels, interior trim, flooring, floor coverings, fire hoses, and wheelchair assemblies.

The manufacturer's information must also include:

- The proposed final assembly location;
- A list of activities that will take place during final assembly; and
- The proposed total cost of final assembly.

This list will be requested at least two times during the procurement process: (1) Prior to award of the contract; and, (2) within thirty (30) days following the manufacturer's assembly of the first vehicle awarded in the base contract. Subsequent post-delivery "Buy America" audit listings for the contract options will be provided by the proposer awarded the contract, if requested.

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)**"Buy America"**Certificate of Non-Compliance

The bidder hereby certifies that it cannot comply with the requirements of 49 U.S.C. Section 5323(j)(2)(C) and Section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirements consistent with 49 U.S.C. Sections 5323(j)(2)(B) or (j)(2)(D), Sections 165(b)(2) or (b)(4) of the Surface Transportation Assistance Act, as amended, and regulations in 49 C.F.R. 661.7.

Date: _____

Signature: _____

Company Name: _____

Title: _____

PRE-AWARD PURCHASER'S REQUIREMENTS CERTIFICATION

The bidder hereby certifies that the vehicles to be provided: _____

(number and general description of vehicles)

From _____ (manufacturer), are the same products described in the solicitation specifications and that the proposed manufacturer is a responsible manufacturer with the capability to produce a bus that meets the specifications.

Signature: _____

Typed Name: _____

Title: _____

Company: _____

Date: _____

PRE-AWARD FMVSS CERTIFICATION

The bidder hereby certifies that the vehicles to be provided: _____

(number and general description of vehicles)

will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, part 571 and that it has submitted the manufacturer's self-certification information with the bid.

Signature: _____

Typed Name: _____

Title: _____

Company: _____

Date: _____

- OR -

The bidder hereby certifies that the vehicles to be provided: _____

(number and general description of vehicles)

will not be subject to the Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571 and that it has submitted the manufacturer's statement of exemption with the bid.

Signature: _____

Typed Name: _____

Title: _____

Company: _____

Date: _____

C. BUS TESTING**For Low-Floor Vans, Mini Buses, Medium Buses, Low-Floor Medium Buses and Large Buses Not Originally Built as School Buses**

This procurement will use federal funds provided by the Federal Transit Administration (FTA), which makes the purchase of these vehicles subject to the bus testing requirements under 49C.F.R., Part 665. Copies relevant federal regulations are attached to provide background information on this and other FTA requirements.

A vendor, whose response to this request for bids includes the above-mentioned types of vans and buses, must submit with the bid a completed Certificate of Compliance with the bus testing requirements and a copy of the test report.

Certificate of Compliance with 49 C.F.R., Part 665**Bus Testing**

The bidder hereby certifies that these low-floor vans and buses being offered in response to this request for bids are in compliance with the regulations in 49 C.F.R., Part 665 and that a copy of the test report or documentation that vehicles qualify for consideration under grandfathering has been provided with the bid.

Signature: _____

Typed Name: _____

Title: _____

Company: _____

Date: _____

D. LOBBYING - 31 U.S.C. 1352, 49 C.F.R. Part 19 & 49 C.F.R. Part 20

Byrd Anti-Lobbying Amendment, 31 U.S.C. 1352, as amended by the Lobbying Disclosure Act of 1995, P.L. 104-65 [to be codified at 2 U.S.C. § 1601, et seq.] - Contractors who apply or bid for an award of \$100,000 or more shall file the certification required by 49 C.F.R. part 20, New Restrictions on Lobbying. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to the recipient.

Certification for Contracts, Grants, Loans, and Cooperative Agreements

(To be submitted with each bid or offer exceeding \$100,000).

The undersigned [Contractor] certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form—LLL Disclosure Form to Report Lobbying, in accordance with its instructions (as amended by Government-wide Guidance for New Restrictions on Lobbying 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)

(3) The undersigned shall require that the language of this certification be included in the award documents for all subaward at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was

placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as

amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure, if any.

_____. Signature of Contractor's Authorized Official

_____. Name and Title of Contractor's Authorized Official

_____. Date

E. GOVERNMENT-WIDE DEBARMENT AND SUSPENSION (Non-Procurement)

49 C.F.R. Part 29 Executive Order 12549

Instructions for Certification

- 1. By signing and submitting this bid or proposal, the prospective lower tier participant is providing the signed certification set out below.**
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the state of Wisconsin may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the state of Wisconsin if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms covered transaction, debarred, suspended, ineligible, lower tier, covered transaction, participant, persons, lower tier covered transaction, principal, proposal and voluntarily excluded, as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 [49 C.F.R. Part 29]. You may contact the State of Wisconsin for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this bid that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized in writing by the state of Wisconsin.
6. The prospective lower tier participant further agrees by submitting this bid that it will include the clause title "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non-Procurement List issued by U.S. General Service Administration.

8. Nothing contained in the foregoing shall be construed to require establishment of system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under Paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to all remedies available to the Federal Government, the state of Wisconsin may pursue available remedies including suspension and/or debarment.

“Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transaction”

(1) The prospective lower tier participant certifies, by submission of this bid or proposal, that neither it nor its principals [as defined at 49. C.F.R. § 29.105(p)] is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) When the prospective lower tier participant is unable to certify to the statements in this certification, such prospective participant shall attach an explanation to this bid.

Date:_____

Signature:_____

Company Name:_____

Title:_____

F. CONDITIONS OF SALE

1. Sealed Bids

- a. A bidder shall submit his bid according to the directions shown on the "Request for Bid" sheet.
- b. Any bid received after the time referred to will not be considered and will be returned unopened.
- c. Bids shall be submitted using the forms furnished in this package.

2. Standard Conditions of Bid

- a. Purchasing reserves the right to reject any or all bids and to re-advertise.
- b. Changes to specifications shall be made by addendum.
- c. Prime contractors and sub-contractors may make appointments with Purchasing to discuss these specifications.
- d. Any request for an approved equal of the specifications must be submitted in writing and fully supported by technical data, test results, or other pertinent information or evidence that the substitute offered is equal to or better than the specification requirement.
- e. Bid Form Signatures - The bid must be signed by an authorized representative in the name of the corporation or other name of bidder.

3. Contract Award

Awards will be made as soon as possible after bid opening. Purchase orders will be made on a vehicle-by-vehicle basis.

4. Quantities - Extended Requirements

The Human Service Vehicles being purchased directly through this solicitation by WisDOT issued purchase orders are funded by the federal Section 5310/State s.85.22 program.

In addition, transportation services receiving funding from other state and federal sources may wish to purchase vehicles by piggybacking from the active contracts resulting from this solicitation. Municipalities, counties and transit commissions wishing to purchase vehicles from this bid must receive approval in writing from the Department prior to the acceptance of additional orders. Delivery and inspection requirements may vary from program to program, so vendors should receive delivery instructions from the appropriate program manager before delivery of any piggyback vehicle.

5. Price for Complete Bus

- a. The price quoted in any bid submitted shall include all items of labor, materials, tools, equipment, and other costs necessary to fully complete the manufacture and delivery of the vehicles pursuant to these specifications. It is the intention of these specifications to provide and require a complete bus of the type prescribed ready for operation. Any item omitted from the specifications that are clearly necessary for the completion and operation of such equipment and its appurtenances shall be considered a portion of such equipment although not directly specified or called for in these specifications.
- b. Purchasing and the vendor shall mutually agree when it is necessary to make changes in, additions to, or deletions from the work to be performed or the material to be furnished pursuant to applicable federal standards, laws and regulations, state vehicle regulations and laws, and the provisions of the Contract documents. Any such changes, which affect the Contract price, shall require the approval of Purchasing.

6. Specified Parts

All component parts comprised in the manufacturing of vehicles shall be new. All buses delivered under these specifications shall be identical units, unless modified by recipients purchase order.

Seat belt extenders, from the same manufacturer as the original belts, shall be provided in the following numbers:

Mini-Van and Accessible Mini-Vans	2
Specialized Transit Vehicle	2
Mini-Bus	6
Accessible Mini Bus and Single Rear-Wheel Mini-Bus	4
Medium Buses	6
Large Bus	8
Conventional Bus	10

7. Invoicing and Payment

- a. Terms of payment for each bid shall be thirty (30) days net (total price) upon acceptance of vehicles pursuant to these specifications, with individual billings for vehicles as delivered. Please include purchase order number on invoices. Address invoices to:

Attention: Steve Hirshfeld, Section 5310 Manager

**Bureau of Transit and Local Roads
Wisconsin Department of Transportation
P.O. Box 7913
Madison, WI 53707-7913**

- b. Invoices may be submitted by a vendor no sooner than at the time of delivery of a completed vehicle. The vendor will also provide the **Manufacturer's Certificate of Origin and the Application for Title/Registration (MV-11) with the invoice**. Acceptance for the vehicle will be made after the Department has received notification from the grantee that the vehicle has no flaws and no specification deviations are found and all required paperwork has been provided.
- 8. Exemption from Taxes
The Wisconsin Department of Transportation and the grantee organizations are exempt from payment of the Federal Excise and Transportation Tax and Wisconsin Sales Tax. These taxes shall not be included in bid prices. Any lawful tax imposed after the date of these specifications and applicable to this purchase shall be paid by the ultimate consumer.
- 9. Human Service Vehicle Inspection
All vehicles specified in this document will be operated as human service vehicles (HSVs). State standards covering the design, construction and equipment of these vehicles are stated in Wisconsin Administrative Code, Chapter TRANS 301.

Per s. 110.05, Wis. Stats., all HSVs are subject to annual inspections performed by the Wisconsin State Patrol. The dealer will be responsible for correcting defects or code violations cited by an inspector during an initial HSV inspection if the Department concludes that they were present when the vehicle was delivered.
- 10. Delivery and Acceptance
 - a. Vehicles are to be delivered to the grantee's place of business, as indicated on each purchase order. Vendors will make arrangements for delivery with the grantee's contact person, as listed on the purchase order.
 - b. Each vehicle shall be delivered in first-class condition, with at least 1/4 tank of fuel, ready for operation, and the vendor shall assume all responsibility and liability incident to said delivery.
 - c. Grantee's authorized representatives shall have authority to inspect all materials, equipment and workmanship and shall have the authority to reject all materials, equipment and workmanship that does not conform to the specifications or that is defective.
 - d. A vehicle shall be considered delivered and accepted when it has been

determined that the vehicle meets or exceeds all contract specifications. A vehicle which does not meet specifications or is found to have flaws or damage will not be accepted, and it shall be the responsibility of the dealer/manufacturer to put the vehicle into acceptable condition. Grantee will notify the dealer/manufacturer of non-acceptance.

- e. Acceptance of delivery or placement in operation of any vehicle shall not release the dealer/manufacturer from liability for and repair or replacement of faulty design, workmanship or materials appearing even after final payment has been made.

11. Warranties and Manuals

a. **WARRANTY REQUIREMENTS**

Complete Vehicle

The complete vehicle, propulsion system, components, major subsystems, and body and chassis structure, are warranted to be free from defects and related defects for three years or 50,000 miles. The warranty is based on regular operation of the bus under the operating conditions prevailing in the State of Wisconsin.

OEM Warranty

OEM chassis, engine and transmission shall be warranted for five years or 100,000 miles, parts and labor.

Body Structure

The body structure and all structural elements of the vehicle are warranted to be free from defects and to maintain structural integrity for seven years or 180,000 miles, whichever comes first. Primary load carrying members of the vehicle structure shall be warranted against corrosion failure and/or fatigue failure for the design life of the vehicle.

Non-OEM Components Warranty

The following non-OEM components, if provided, shall be warranted to be free from defects as follows:

Alternator/Voltage Regulator - three years or 100,000 miles

Exterior LED Lights - five years or 150,000 miles

Destination Sign System - two years, unlimited mileage

HVAC System - three years or 100,000 miles

Wheelchair Lift - three years parts and labor, unlimited mileage

Wheelchair Ramp - five years parts and labor, unlimited mileage

Rust Proofing

Entire vehicle shall be warranted to be free of rust and corrosion for five years or 100,000 miles.

b. **WARRANTY PLAN AND PROCEDURES**

A complete warranty plan shall be provided with bid submittal. At a minimum, the warranty plan shall address the following warranty activities:

- i. Extension of the warranty period (i.e., due to lack of parts or information needed to complete the warranty repair).
- ii. Conditions that cause a voiding of warranty.
- iii. Exceptions and additions to warranty (i.e., normal wear items, etc.).
- iv. Procedures to follow when a warranty defect is detected.
- v. Repair procedures including repairs to be performed by the Vendor, repairs to be performed or contracted by the Procuring Agency, how parts are to be supplied, and which defective components are to be returned or examined by the Vendor.
- vi. Procedures for filing failure analysis reports of safety-related parts or major components removed from vehicles under the warranty period by the Vendor to determine if a fleet defect could affect fleet operation.
- vii. Reimbursement for parts and labor.
- viii. Warranty coverage period for the replacement of parts and repairs made under the original warranty period.
- ix. Identification of locations/facilities for warranty repairs.
- x. Maximum response time for delivery of OEM and non-OEM parts that are not in stock at warranty repair facilities.
- xi. Each vehicle will be delivered with warranty cards or such documents as are needed by the owner to obtain warranty services.

c. **MANUALS**

Each vehicle shall be delivered with:

- maintenance schedules
- scaled and dimensioned floor plans
- operating manuals specific to the vehicle or bus as built

- vehicle wiring schematics in book or CD ROM form; wiring diagram shall be for the bus as completed and delivered to the end user

A vehicle may not be accepted if these items are not furnished.

12. Interested Parties

- a. No member of or delegate to the Congress of the United States shall be admitted to any share or part of this Contract or to any benefit arising there from.
- b. No member, official, or employee of the public body or of a local public body, during his tenure, or for one year thereafter, shall have any interest, direct or indirect, in this Contract or proceeds thereof.

13. Bid Requirements

Bidder shall submit the following:

- a. Itemized prices per vehicle and other information as called for within these specifications.
- b. Detailed descriptive literature for each type of vehicle bid.
- c. A complete dimensional drawing of the floor plan with all dimensions clearly noted.
- d. A weight distribution drawing of the vehicle as specified for all vehicles in this procurement except the lowered-floor minivan(s), taxi vehicle and minivan. Weight distributions shall show; rear, front and total distribution at full load capacity. Failure to include any of these items may make a bid non-compliant.

14. General

- a. The vehicle manufacturer and/or aftermarket modifier will allow a resident inspector (a Department staff person or designee) to be on-site during vehicle construction/modification if the Department wishes to be on-site.
- b. Contractor will incorporate in its vehicle the latest technological advancements in the art of manufacturing to achieve maximum service life and superior appearance.
- c. The vehicle must comply with Federal Motor Vehicle Safety Standards and state standards listed in TRANS 301 of the Wisconsin Administrative Code.
Secondary manufacturer shall affix a sticker certifying compliance in accordance with FMVSS rules to all HSV vans and buses.

- d. All materials used in the construction of vehicles shall conform to ASTM, SAE, or similar association published standards. Manufactures standards that exceed any of the specification requirements shall be construed as acceptable. All materials and parts shall remain heavy duty-first quality to the maximum available and never downgraded to a lesser quality to meet the minimum needs of these specification requirements.
- e. The body shall be built with suitable and easily accessible compartments provided for all apparatus, sound-deadening insulation wherever needed, and all operating devices so mounted as to reduce and keep all noises and vibrations to an absolute minimum, inside and outside the vehicle.
- f. The vendor shall furnish the grantees with an estimated delivery schedule within 30 calendar days from date of order.
- g. The bidder must be a motor vehicle dealer licensed to sell the vehicles as they will be titled in the State of Wisconsin in order to submit a bid for this solicitation.

All accessible vehicles sought in this procurement and all items specified under this part shall at a minimum meet requirements of C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums. Said Federal Register may be found at this link: <http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&rgn=div5&view=text&node=49:1.0.1.1.27&idno=49>

Vehicles will be used in demand-response service, and are not subject to fixed-route requirements.

15. Appeals Process

- a. Notices of an “intent to protest” and “protests” must be submitted in writing to the WisDOT Purchasing Agent identified above.
- b. Protesters must clearly identify the solicitation number and program title in all correspondence. Protests must be as specific as possible and identify specific statutes and Wisconsin Administrative Code Provisions that are alleged to have been violated and provide any documentation supporting the claim.
- c. A written protest can be initiated at any point in the solicitation process. However, a written notice of “intent to protest” must be filed with and received by the Purchasing Agent no later than five (5) working days after the Notice of Intent to Award is issued.

- d. The complete written “protest” must be provided to the same addressees, (as provided above for the written “intent to protest”) within (10) working days after the Notice of Intent to Award is issued.
- e. The Purchasing Agent will issue a decision on the protest within 10 working days of receiving the written protest. A copy of the decision will be provided to the WisDOT Section 5310 Manager.
- f. If the protestor had alleged a violation of a statute and specific provision(s) of Wisconsin Administrative Code and the decision of this formal process fails to resolve the complaint, the complainant, within five (5) working days of the issuance of that decision, may refer the matter to the Regional Administrator, Federal Transit Administration Region V; 200 West Adams Street, Suite 320; Chicago, IL 60606.

Certificate of Compliance

The bidder hereby certifies that it is a licensed motor vehicle dealer and is an authorized seller of the vehicles as they will be titled by the State of Wisconsin.

Signature: _____

Name: _____

Title: _____

Date: _____

Dealer License Number: _____

State of License: _____

If bidder is licensed only in a state other than Wisconsin, give name and location warranty service provider for Wisconsin vehicles.

G. FEDERAL TRANSIT ADMINISTRATION REQUIREMENTS

1) No Federal Government Obligations to Third Parties

Except as the Federal Government expressly consents in writing, the Recipient agrees that the Federal Government shall not be subject to any obligations or liabilities related to (a) The Project, (b) Any third party participant at any tier, or (c) Any other person or entity that is not a party (Recipient or FTA) to the underlying Agreement. Notwithstanding that the Federal Government may have concurred in or approved any solicitation or third party agreement at any tier that has affected the Project, the Federal Government has no obligations or liabilities to any (a) Third party participant, or (b) Any other person or entity that is not a party (Recipient or FTA) to the underlying Agreement.

2) False or Fraudulent Statements or Claims

Civil Fraud - The Recipient acknowledges and agrees: That the following Federal law and regulations apply to itself and its Project: The Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. 3801 et seq., and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31. By executing the underlying Agreement: It certifies or affirms the truthfulness and accuracy of each statement it has made, it makes, or it will make to the Federal Government in connection with the Project. It acknowledges that the Federal Government may impose the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, in addition to other penalties, if the Recipient makes, presents, or submits to the Federal Government, a false, fictitious, or fraudulent: a. Claim, b. Statement, c. Submission, d. Certification, e. Assurance, or f. Representation.

Criminal Fraud - The Recipient acknowledges and agrees: That the following Federal laws apply to itself and its Project: Federal transit law, specifically 49 U.S.C. § 5323(l), and 18 U.S.C. § 1001. That Federal Government may impose the penalties of 18 U.S.C. § 1001, in addition to other penalties, if it makes a false, fictitious, or fraudulent: a. Claim to the Federal Government, b. Statement to the Federal Government, c. Submission to the Federal Government, c. Certification to the Federal Government, d. Assurance to the Federal Government, or e. Representation to the Federal Government.

3) Access to Third Party Contract Records

The Recipient agrees to require, and assures that its subrecipients will require, their third party contractors and subcontractors at each tier, to provide: The U.S. Secretary of Transportation and the Comptroller General of the United States, the State, or their duly authorized representatives, access to all third party contract records (at any tier) as required by 49 U.S.C. § 5325(g), and sufficient access to all third party contract records (at any tier) as needed for compliance with Federal laws and regulations or to assure proper Project management as determined by FTA.

4) Federal Changes

The Recipient agrees that it will comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Recipient's failure to so comply shall constitute a material breach of this contract.

5) Civil Rights

The Recipient understands and agrees that it must comply with Federal civil rights laws and regulations, and follow Federal directives, except as the Federal Government determines otherwise in writing. These include, but are not limited to, the following:

Nondiscrimination in Federal Public Transportation Programs - The Recipient agrees to, and assures that each third party participant will, comply with Federal transit law, specifically 49 U.S.C. § 5332, which prohibits the following: (1) Types of Discrimination: (a) Exclusion from participation, (b) Denial of program benefits, or (c) Discrimination, including discrimination in employment or business opportunity; (2) Basis for Discrimination: (a) Race, (b) Color, (c) Creed, (d) National origin, (e) Sex, or (f) Age.

Nondiscrimination – Title VI of the Civil Rights Act - The Recipient agrees to, and assures that each third party participant will, prohibit discrimination on the basis of race, color, or national origin and comply with: (a) Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000d et seq., (b) U.S. DOT regulations, “Nondiscrimination in Federally-Assisted Programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act,” 49 C.F.R. Part 21, and (c) Federal transit law, specifically 49 U.S.C. § 5332, as stated in Section 12.a; and follow FTA Circular 4702.1A, “Title VI and Title VI-Dependent Guidelines for Federal Transit Administration Recipients,” and any other applicable Federal directives that may be issued, except as FTA determines otherwise in writing.

Equal Employment Opportunity - Federal Requirements and Directives. The Recipient agrees to, and assures that each third party participant will, prohibit discrimination on the basis of race, color, religion, sex, or national origin, and: (a) Comply with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000e et seq., (b) Follow and facilitate compliance with Executive Order No. 11246, “Equal Employment Opportunity,” as amended by Executive Order No. 11375, “Amending Executive Order No. 11246 Relating to Equal Employment Opportunity,” 42 U.S.C. § 2000e note, (c) Comply with Federal transit law, specifically 49 U.S.C. § 5332, as stated in Section 12.a, and (d) Comply with other applicable EEO laws and regulations, as provided in directives, including laws and regulations prohibiting discrimination on the basis of disability, except as the Federal Government determines otherwise in writing. General: Recipient agrees to (a) Ensure that applicants for employment and employees are treated during employment without discrimination on the basis of their 1) Race, 2) Color, 3) Creed, 4) Sex, 5) Disability, 6) Age, or 7) National origin. Take affirmative action that includes, but is not limited to: 1)

Recruitment advertising, 2) Recruitment, 3) Employment, 4) Rates of pay, 5) Other forms of compensation, 6) Selection for training, including apprenticeship, 7) Upgrading, 8) Transfers, 9) Demotions, 10) Layoffs, and 11) Terminations. Equal Employment Opportunity Requirements for Construction Activities: In addition to the foregoing, when undertaking “construction” as recognized by the U.S. Department of Labor (U.S. DOL), the Recipient agrees to comply, and assures the compliance of each third party participant, with: (a) U.S. DOL regulations, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor,” 41 C.F.R. Parts 60 et seq., (b) Executive Order No. 11246, “Equal Employment Opportunity,” as amended by Executive Order No. 11375, “Amending Executive Order No. 11246 Relating to Equal Employment Opportunity,” 42 U.S.C. § 2000e

Disadvantaged Business Enterprise - To the extent authorized by Federal law, the Recipient agrees to facilitate, and assures that each third party participant will facilitate, participation by Disadvantaged Business Enterprises (DBEs) in the Project as follows: Requirements: The Recipient agrees to comply with: (a) Section 1101(b) of SAFETEA-LU, 23 U.S.C. § 101 note, as amended by Section 451 of the Hiring Incentives to Restore Employment (HIRE) Act, Pub. L. 111-147, March 18, 2010, 23 U.S.C. § 101 note, (b) U.S. DOT regulations, “Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs,” 49 C.F.R. Part 26 [U.S. DOT published final rule, “Disadvantaged Business Enterprise: Program Improvements,” 49 C.F.R. Part 26, on January 28, 2011 (see 76 Fed. Reg. 5083)], and (c) Federal transit law, specifically 49 U.S.C. § 5332, as stated in Section 12.a. Assurance: The Recipient assures that it shall not discriminate on the basis of race, color, sex, or national origin in the award and performance of any third party agreement supported with Federal funds derived from U.S. DOT in the administration of its DBE program and shall comply with the requirements of 49 C.F.R. Part 26. The Recipient agrees to take all necessary and reasonable steps provided in 49 C.F.R. Part 26 to ensure nondiscrimination in the award and administration of all third party agreements supported with Federal funds derived from U.S. DOT. If U.S. DOT has approved the Recipient’s DBE program, that DBE program is incorporated by reference and made part of the underlying Agreement. The Recipient agrees that it has a legal obligation to implement its approved DBE program, and that its failure to carry out its DBE program shall be treated as a violation of the underlying Agreement and this Master Agreement. If U.S. DOT finds and notifies the Recipient that it has not implemented its approved DBE program, U.S. DOT may impose sanctions provided by the underlying Agreement, 49 C.F.R. Part 26, and, in certain cases, seek enforcement under 18 U.S.C. § 1001, or the Program Fraud Civil Remedies Act, 31 U.S.C. 3801 et seq., or both.

Nondiscrimination on the Basis of Sex - The Recipient agrees to comply with the following Federal prohibitions against discrimination on the basis of sex: (1) Title IX of the Education Amendments of 1972, as amended, 20 U.S.C. 1681 et seq., (2) U.S. DOT regulations, “Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance,” 49 C.F.R. Part 25, and (3) Federal transit law, specifically 49 U.S.C. § 5332, as stated in Section 12.a.

Nondiscrimination on the Basis of Age - The Recipient agrees to comply with the following Federal prohibitions against discrimination on the basis of age: (1) The Age

Discrimination in Employment Act (ADEA), 29 U.S.C. §§ 621 – 634, which prohibits discrimination on the basis of age, (2) U.S. Equal Employment Opportunity Commission (U.S. EEOC) regulations, “Age Discrimination in Employment Act,” 29 C.F.R. Part 1625, which implements the ADEA, (3) The Age Discrimination Act of 1975, as amended, 42 U.S.C. 6101 et seq., which prohibits discrimination against individuals on the basis of age in the administration of programs or activities receiving Federal funds, (4) U.S. Health and Human Services regulations, “Nondiscrimination on the Basis of Age in Programs or Activities Receiving Federal Financial Assistance,” 45 C.F.R. Part 90, which implements the Age Discrimination Act of 1975, and (5) Federal transit law, specifically 49 U.S.C. § 5332, as stated in Section 12.a.

Accessibility - The Recipient agrees to comply with Federal prohibitions against discrimination against elderly individuals or individuals with disabilities of: The following Federal laws: (a) 49 U.S.C. § 5301(d), which acknowledges that elderly individuals and individuals with disabilities have the same right as others to use public transportation, and that special efforts must be made to plan and assure that they do have similar access to public transportation, (b) Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, which prohibits discrimination on the basis of disability in the administration of federally funded programs or activities, (c) The Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. 12101 et seq., which requires that accessible facilities and services be made available to individuals with disabilities, (d) The Architectural Barriers Act of 1968, as amended, 42 U.S.C. 4151 et seq., which requires that buildings and public accommodations be accessible to individuals with disabilities, (e) Other applicable laws and amendments pertaining to access for elderly individuals or individuals with disabilities, and the following Federal regulations: (a) U.S. DOT regulations, “Transportation Services for Individuals with Disabilities (ADA),” 49 C.F.R. Part 37, (b) U.S. DOT regulations, “Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance,” 49 C.F.R. Part 27, (c) Joint U.S. Architectural and Transportation Barriers Compliance Board (U.S. ATBCB) and U.S. DOT regulations, “Americans With Disabilities (ADA) Accessibility Specifications for Transportation Vehicles,” 36 C.F.R. Part 1192 and 49 C.F.R. Part 38, (d) U.S. DOJ regulations, “Nondiscrimination on the Basis of Disability in State and Local Government Services,” 28 C.F.R. Part 35, (e) U.S. DOJ regulations, “Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities,” 28 C.F.R. Part 36, (f) U.S. General Services Administration (U.S. GSA) regulations, “Accommodations for the Physically Handicapped,” 41 C.F.R. Subpart 101-19, (g) U.S. EEOC, “Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,” 29 C.F.R. Part 1630, (h) U.S. Federal Communications Commission regulations, “Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled,” 47 C.F.R. Part 64, Subpart F, (i) U.S. ATBCB regulations, “Electronic and Information Technology Accessibility Standards,” 36 C.F.R. Part 1194, (j) FTA regulations, “Transportation for Elderly and Handicapped Persons,” 49 C.F.R. Part 609, and other applicable Federal civil rights and nondiscrimination directives.

Drug or Alcohol Abuse - Confidentiality and Other Civil Rights Protections - The Recipient agrees to comply with the confidentiality and civil rights protections of: (1) The

Drug Abuse Office and Treatment Act of 1972, as amended, 21 U.S.C. 1101 et seq., (2) The Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970, as amended, 42 U.S.C. 4541 et seq., and (3) The Public Health Service Act of 1912, as amended, 42 U.S.C. 290dd – 290dd-2.

Access to Services for People with Limited English Proficiency - Except as the Federal Government determines otherwise in writing, the Recipient agrees to promote accessibility of public transportation services to people whose understanding of English is limited by: (1) Facilitating compliance with and following Executive Order No. 13166, “Improving Access to Services for Persons with Limited English Proficiency,” 42 U.S.C. § 2000d-1 note, and (2) Following U.S. DOT Notice, “DOT Policy Guidance Concerning Recipients’ Responsibilities to Limited English Proficiency (LEP) Persons,” 70 Fed. Reg. 74087, December 14, 2005, except as the Federal Government determines otherwise in writing.

Environmental Justice - Except as the Federal Government determines otherwise in writing, the Recipient agrees to promote environmental justice by: (1) Following and facilitating compliance with Executive Order No. 12898, “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations,” 42 U.S.C. § 4321 note, and (2) Following DOT Order 5620.3, “Department of Transportation Actions To Address Environmental Justice in Minority Populations and Low-Income Populations,” 62 Fed. Reg. 18377, April 15, 1997.

Other Nondiscrimination Laws - The Recipient agrees to comply with other applicable Federal nondiscrimination laws and regulations, and follow Federal directives prohibiting discrimination, except as the Federal Government determines otherwise in writing.

6) Incorporation of Federal Transit Administration (FTA) Terms

All contractual provisions required by U.S. DOT, as set forth in FTA Circular 4220.1F, are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The Recipient shall not perform any act, fail to perform any act, or refuse to comply with any Wisconsin Department of Transportation requests which would cause Wisconsin Department of Transportation to be in violation of the FTA terms and conditions. FTA Master Agreement.

7) Energy Conservation

The Recipient agrees to, and assures its subrecipients will: a) State Energy Conservation Plans: Comply with the mandatory energy standards and policies of its State energy conservation plans under the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6321 et seq., except as the Federal Government determines otherwise in writing; b) Energy Assessment: Perform an energy assessment for any building constructed, reconstructed, or modified with FTA funds FTA regulations, “Requirements for Energy Assessments,” 49 C.F.R. Part 622, Subpart C.

8) Right of the Federal Government to Terminate

Justification: After receiving notice, the Recipient agrees that the Federal Government may suspend, suspend then terminate, or terminate all or any part of the Federal funding to be provided for the Project for the following reasons: (1) The Recipient has violated the underlying Agreement or this Master Agreement, especially if that violation would endanger substantial performance of the Project, or (2) Any failure to make reasonable progress on the Project, or (3) The Federal Government determines that the continuation of Federal funding for the Project does not adequately serve the purposes of the law authorizing the Project.

Financial Implications: The Recipient agrees that: (1) In general, termination of Federal funding for the Project will not invalidate obligations properly incurred before the termination date to the extent those obligations cannot be canceled. (2) The Federal Government may require the Recipient to refund the entire amount of Federal funds provided for the Project or any lesser amount as the Federal Government may determine, if the Federal Government determines that the Recipient has willfully misused Federal funds by: (a) Failing to make adequate progress, (b) Failing to make appropriate use of Project property, or (c) Failing to comply with the underlying Agreement or this Master Agreement

Expiration of Project Time Period: Except in the case of Full Funding Grant Agreements, expiration of any Project time period established for the Project does not, by itself, constitute an expiration or termination of the underlying Agreement.

9) Debarment and Suspension

The Recipient agrees that: It will not engage third party participants that are debarred or suspended except as authorized by: (a) U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 C.F.R. Part 1200, which adopt and supplement the following U.S. Office of Management and Budget (U.S. OMB) Guidelines and Executive Order, (b) U.S. OMB, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 C.F.R. Part 180, and (c) Executive Orders Nos. 12549 and 12689, "Debarment and Suspension," 31 U.S.C. § 6101 note; it will review the "Excluded Parties Listing System" at <http://epls.gov/>, if required by U.S. DOT regulations, 2 C.F.R. Part 1200; and it will include, and require its third party participants to include a similar condition in each lower tier covered transaction, assuring that the lower tier third party participant will comply with: (a) Federal debarment and suspension requirements, and (b) Review the "Excluded Parties Listing System" at <http://epls.gov/>, if needed for compliance with U.S. DOT regulations, 2 C.F.R. Part 1200.; Bonus or Commission: The Recipient affirms that it has not paid, and agrees not to pay, any bonus or commission to obtain Federal funding for its Project.

10) Disputes, Breaches, Defaults, or Other Litigation

The Recipient agrees that FTA has a vested interest in the settlement of any dispute, breach, default, or litigation involving the Project. Accordingly, the Recipient agrees that: Notification to FTA - It will notify the FTA Chief Counsel or Regional Counsel

immediately of any current or prospective legal matter: (1) Such as: (a) A major dispute, (b) A breach, (c) A default, (d) Litigation, or (e) Naming the Federal Government as a party to litigation or a legal disagreement in any forum for any reason, (2) That may affect the Federal Government's: (a) Interests in the Project, or (b) Administration or enforcement of Federal laws or regulations.

Federal Interest in Recovery - (1) General. The Federal Government retains the right to a proportionate share of any proceeds recovered from any third party, based on the percentage of the Federal share for the Project. (2) Liquidated Damages. However, the Recipient may return all liquidated damages it receives to its Project Account rather than return the Federal share of those liquidated damages to the Federal Government.

Enforcement - It will pursue its legal rights and remedies available under any third party agreement or available under Federal, State, or local laws or regulations.

FTA Concurrence - FTA reserves the right to concur in any compromise or settlement of any claim involving the Project and the Recipient.

Alternative Dispute Resolution - FTA encourages the Recipient to use alternative dispute resolution procedures, as may be appropriate.

11) Clean Air

The Recipient agrees to include in each subagreement, lease, third party contract, or other arrangement exceeding \$100,000, adequate provisions to ensure that each Project participant will agree to: (a) Report the use of facilities placed on or likely to be placed on the U.S. EPA "List of Violating Facilities," (b) Refrain from using any violating facilities, (c) Report violations to FTA and the Regional U.S. EPA Office, and (d) Comply with the inspection and other applicable requirements of: (i) Section 306 of the Clean Air Act, as amended, 42 U.S.C. § 7606, and other applicable provisions of the Clean Air Act, as amended, 42 U.S.C. §§ 7401 through 7671q.

12) Clean Water

The Recipient agrees to include in each subagreement, lease, third party contract, or other arrangement exceeding \$100,000, adequate provisions to ensure that each Project participant will agree to: (a) Report the use of facilities placed on or likely to be placed on the U.S. EPA "List of Violating Facilities," (b) Refrain from using any violating facilities, (c) Report violations to FTA and the Regional U.S. EPA Office, and (d) Comply with the inspection and other applicable requirements of: (i) Section 508 of the Clean Water Act, as amended, 33 U.S.C. § 1368, and other applicable requirements of the Clean Water Act, as amended, 33 U.S.C. §§ 1251 through 1377.

13) Energy Conservation

The Recipient agrees to comply with applicable mandatory energy standards and policies of State energy conservation plans under the Energy Policy and Conservation Act, as amended, 42 U.S.C. §§ 6321 et seq., except to the extent that the Federal Government determines otherwise in writing. As applicable, the Recipient agrees to perform an energy assessment for any building constructed, reconstructed, or modified with FTA assistance,

in compliance with FTA regulations, “Requirements for Energy Assessments,” 49 C.F.R. Part 622, Subpart C.

14) Recycled Products

The Recipient agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 C.F.R. Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 C.F.R. Part 247. These requirements apply to all contracts for items designated by the EPA, when the purchaser or contractor procures \$10,000 or more of one of these items during the fiscal year, or has procured \$10,000 or more of such items in the previous fiscal year, using federal funds.

15) Nonconstruction Employee Protective Arrangements

Activities Not Involving Construction: The Recipient agrees to comply, and assures that each third party participant will comply, with the following Federal laws and regulations providing Wage and Hour protections for nonconstruction employees: (1) Section 102 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 3702, and other relevant parts of that Act, 40 U.S.C. 3701 et seq., and (2) U.S. DOL regulations, “Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act),” 29 C.F.R. Part 5.

16) Special Notification Requirements for States

As required by Federal law, the State agrees that: Required Information: It will provide the following information FTA funding for its Programs or Projects: (1) FTA is the Federal agency providing the Federal funds for the Program or Project, (2) The Catalog of Federal Domestic Assistance Number of the Program from which the Federal funding is authorized, and (3) The amount of Federal funds FTA has provided for the Program or Project. Documents Affected: It will provide the information about FTA funding in the following documents related to the Program or Project: (1) Requests for proposals, (2) Solicitations, (3) Grant or cooperative agreement applications, (4) Forms, (5) Notifications, (6) Press releases, and (7) Other publications.

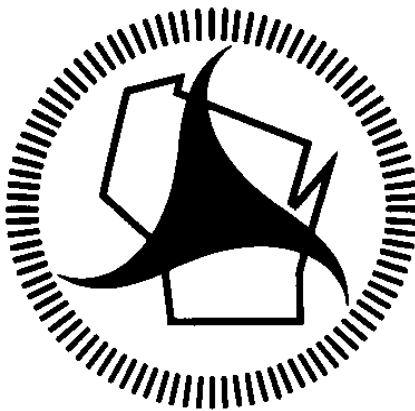
EXHIBIT 1 – CYCLE DESTINATION CHART

COUNTY	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
	Mini Van	Mini Van Rear Load	Mini Van Side Load	Specialized Transit Vehicle	Mini Bus	Mini Bus Accessible	Mini Bus Single Rear Wheel	Medium Bus	Medium Bus Low Floor	Large Bus	Conventional Bus
Brown							1	1			
Calumet								1			
Douglas		1									
Fond du Lac								4			
Grant											1
Green Lake			1		1	1					
Iowa								1		1	
Juneau								1			
Kenosha			1			1					
Marathon								2			
Milwaukee			1			3		1		1	
Monroe						1					
Oconto								1			
Oneida								1			
Polk	1		1					1			
Racine			3								
Sauk								1			
Shawano			1					2		1	
Sheboygan								4			
St. Croix								1			

	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
COUNTY	Mini Van	Mini Van Rear Load	Mini Van Side Load	Specialized Transit Vehicle	Mini Bus	Mini Bus Accessible	Mini Bus Single Rear Wheel	Medium Bus	Medium Bus Low Floor	Large Bus	Conventional Bus
Vernon						1		5			
Walworth			3				1	2			
Washburn								1			
Washington		2									
Winnebago								1			
Wood			1			1					
5310 Program Totals	1	3	12		1	8	2	31		3	1
Piggyback (estimated)	5	8	10	5	1	12	3	10	5	2	

PART II

VEHICLE SPECIFICATIONS



*Guide for Human Service Vehicles to be obtained
through the
Section 5310 Capital Grant Program*

**Wisconsin Department of Transportation
Bureau of Transit and Local Roads**

2012

Line Item 00001: Mini Van

- 1) Heavy duty suspension and shock absorbers
- 2) Engine idle meter
- 3) Vinyl seats
- 4) Heavy-duty rubber floor covering
- 5) 119" Wheelbase (minimum)
- 6) V-6 gasoline engine, 180 horsepower (minimum), flexible fuel capable of running on either regular unleaded or e-85 ethanol, meets EPA 50-state emission levels, low emission vehicle compliant four-speed automatic transmission
- 7) Cruise control
- 8) Four-wheel anti-lock disc brakes
- 9) Seven passengers plus driver seating capacity
- 10) One key able to open doors and trunk and operate vehicle
- 11) Power door locks with remote operation
- 12) Automatic headlamps
- 13) Daytime running lamps
- 14) Tilt/telescoping steering wheel
- 15) Power windows
- 16) Driver and front-passenger airbags
- 17) Engine block heater
- 18) Air conditioning, front and rear
- 19) Heated remote controlled side-view mirrors
- 20) Rear window defogger, electric
- 21) Intermittent windshield wipers, two-speed (minimum), with washer
- 22) AM/FM stereo radio with clock
- 23) Tire pressure monitoring system
- 24) 20-gallon minimum fuel tank conforms to FMVSS 301 and ICC fuel tank regulations
- 25) Four tires on wheels and a temporary spare, tubeless black wall steel belted radial, P205/70 R15 minimum, highway tread, spare to be mounted securely inside vehicle
- 26) Alternator with 120 Amps (minimum) output at highway speed, 65 Amps output at engine idle speed

Line Item 00002: Mini Van, Lowered Floor, REAR LOAD Ramp Equipped**General Specifications**

- 1) GVWR: 5,200 lb. (minimum)
- 2) Wheelbase: 119" (minimum)
- 3) Overall length: 190" (minimum)
- 4) Ground clearance 5" (minimum)

Power Train

- 5) V-6 gasoline engine, 180 horsepower (minimum), flexible fuel capable of running on either regular unleaded or e-85 ethanol, meets EPA 50-state emission levels, low emission vehicle compliant
- 6) Four-speed automatic transmission
- 7) Maximum engine cooling, protected to -30°F
- 8) Engine block heater and cord

General Chassis

- 9) Front wheel drive
- 10) Suspension, maximum available, with stability control
- 11) Power brakes, maximum available, ABS front and rear
- 12) Power steering
- 13) Cruise control
- 14) Alternator with 120 amps (minimum) output at highway speed, 65 amps output at engine idle speed
- 15) Battery, 685 CCA minimum
- 16) 20-gallon minimum fuel tank conforms to FMVSS 301 and ICC fuel tank regulations
- 17) Four tires on wheels and a temporary spare, tubeless black wall steel belted radial, P205/70 R15 minimum, highway tread, spare to be mounted securely inside vehicle
- 18) Two-speed wipers with interval option and washer

Body and Interior

- 19) Heavy-duty insulation package in body sides, doors, roof, and floor
- 20) Full length headliner and panels on doors and body sides
- 21) Full length rubber or vinyl non-slip flooring
- 22) Rubber or vinyl floor mats in the driver's and front passenger areas
- 23) Heater; combination fresh air and recirculating air heater front and rear (maximum available)

- 24) Sliding side passenger doors, left and right sides; grab bars, both sides, attached to pillars behind sliding doors
- 25) Rear door with keyed lock, inside release, check arm, defroster, wiper and washer
- 26) Tinted glass, all windows, dark tint in passenger area
- 27) Vented side windows
- 28) Dome lights, front and rear
- 29) Tilt/telescoping steering wheel
- 30) Driver's seat - vinyl, manufacturer's standard, to include retractable 3-point seat belt, reclining, high back
- 31) Front passenger's seat - vinyl, manufacturer's standard, to include retractable 3-point seat belt (with extension to modified floor if needed), high back, quick release
- 32) Four passengers plus driver seating capacity; the ability to carry two wheelchairs, per ADA requirements
- 33) AM/FM radio, chassis manufacturer's OEM, speakers front and rear
- 34) Gauges – fuel, oil pressure, water temperature, ammeter or voltmeter and door-ajar indicator light
- 35) One inside rear-view mirror, manufacturer's standard; two exterior heated rear-view mirrors, left and right, adjustable from driver's seat
- 36) Single color exterior finish (successful bidder will contact recipient for color choice)
- 37) Jack, lug wrench and four-wheel covers
- 38) Air conditioning, front and rear
- 39) Power point for auxiliary power in place of cigarette lighter
- 40) Daytime running lamps

Human Service Vehicle Safety Package

- 41) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 42) Mounted, removable kit containing three reflective warning triangles
- 43) First Aid Kit - Mounted/Removable
 - “Wisconsin 10-unit kit” containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

Accessibility Modifications

- 44) Lowered floor: floor in the passenger seating area shall be lowered 6 to 14” from the manufacturer's original design to permit a minimum vertical clearance of 56” in the wheelchair securement areas and the ramp service door; the lowered floor assembly shall be corrosion resistant coated metal, joined to the body frame members in a manner to provide a leak-proof and dust-proof floor

- 45) Manual, fold-up ramp with a non-skid surface and spring assisted; the ramp shall have a usable width of 34" (minimum), and a length of 48" (minimum), and meet all requirements of ADA; it shall be located at the rear of the vehicle; the rear opening shall have a 34" (minimum) opening and shall permit the deployment of the ramp at all times; the ramp must meet the requirements of TRANS 301; lighting shall be provided to illuminate the ramp area as required by ADA Part 1192.31 (c)
- 46) Wheelchair position(s) shall be forward facing and shall provide a floor space area of at least 32" X 48" for each position as required by ADA and as specified in TRANS 301; the vehicle shall have the ability to handle up to two wheelchairs, with both positions meeting the 32" X 48" requirement
- 47) Wheelchair securement: Wheel chair position(s) shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion; securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four stud, double plunger attachment for added strength, the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location; an **independent** lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly.....	6,000 lbs. each minimum
Front belt assembly.....	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 48) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be at least 120" long; the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 49) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of

the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided

- 50) Audible back up warning signal

Line Item 00003: Mini Van, Lowered Floor, SIDE LOAD Ramp Equipped**General Specifications**

- 1) GVWR: 5,200 lb. (minimum)
- 2) Wheelbase: 119" (minimum)
- 3) Overall length 190" (minimum)
- 4) Ground clearance: 5" (minimum)

Power Train

- 5) V-6 gasoline engine, 180 horsepower (minimum), flexible fuel capable of running on either regular unleaded or e-85 ethanol, meets EPA 50-state emission levels, low emission vehicle compliant
- 6) Four-speed automatic transmission
- 7) Maximum engine cooling, protected to -30°F
- 8) Engine block heater and cord

General Chassis

- 9) Front wheel drive
- 10) Suspension, maximum available, with stability control
- 11) Power brakes, maximum available, ABS front and rear
- 12) Power steering
- 13) Cruise control
- 14) Alternator with 120 amps (minimum) output at highway speed, 65 amps output at engine idle speed
- 15) Battery, 685 CCA minimum
- 16) 20-gallon minimum fuel tank conforms to FMVSS 301 and ICC fuel tank regulations
- 17) Four tires on wheels and a temporary spare, tubeless black wall steel belted radial, P205/70 R15 minimum, highway tread, spare to be mounted securely inside vehicle
- 18) Two-speed wipers with interval option and washer

Body and Interior

- 19) Heavy-duty insulation package in body sides, doors, roof and floor
- 20) Full length headliner and panels on doors and body sides
- 21) Full length rubber or vinyl non-slip flooring
- 22) Rubber or vinyl floor mats in the driver's and front passenger areas

- 23) Heater; combination fresh air and recirculating air heater front and rear (maximum available)
- 24) Sliding side passenger doors, left and right sides; grab bars, both sides, attached to pillars behind sliding doors
- 25) Rear door with keyed lock, inside release, check arm, defroster, wiper and washer
- 26) Tinted glass, all windows; dark tint in passenger area
- 27) Vented side windows
- 28) Dome lights, front and rear
- 29) Tilt/telescoping steering wheel
- 30) Driver's seat - vinyl, manufacturer's standard, to include retractable 3-point seat belt, reclining, high back
- 31) Front passenger's seat - vinyl, manufacturer's standard, to include retractable 3-point seat belt (with extension to modified floor if needed), high back, quick release
- 32) 3-person bench seat in rear, vinyl covered; seat belts for all positions, shoulder harnesses for the outboard positions and seat belt extenders in quantities specified in bid document; seat height not to exceed OEM distance from floor when measured 12" in front of seat and headroom equal to or exceeding OEM measurement; all extenders to be of same manufacturer as main belts
- 33) AM/FM radio, chassis manufacturer's OEM, speakers front and rear
- 34) Gauges – fuel, oil pressure, water temperature, ammeter or voltmeter and door-ajar indicator light
- 35) One inside rear-view mirror, manufacturer's standard; two exterior heated rear-view mirrors, left and right, adjustable from driver's seat
- 36) Single color exterior finish (successful bidder will contact recipient for color choice)
- 37) Jack, lug wrench and four-wheel covers
- 38) Air conditioning, front and rear
- 39) Power point for auxiliary power in place of cigarette lighter
- 40) Daytime running lamps

Human Service Vehicle Safety Package

- 41) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 42) Mounted, removable kit containing three reflective warning triangles
- 43) First Aid Kit - Mounted/Removable
 - “Wisconsin 10-unit kit” containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

Accessibility Modifications

- 44) Lowered floor: floor in the passenger seating area shall be lowered 6 to 14" from the manufacturer's original design to permit a minimum vertical clearance of 56" in the wheelchair securement areas and the ramp service door; the lowered floor assembly shall be corrosion resistant coated metal, joined to the body frame members in a manner to provide a leak-proof and dust-proof floor
- 45) Manual, fold-up ramp with a non-skid surface and spring assisted; the ramp shall have a usable width of 34" (minimum), and a length of 48" (minimum), and meet all requirements of ADA; it shall be located at the rear of the vehicle; the rear opening shall have a 34" (minimum) opening and shall permit the deployment of the ramp at all times; the ramp must meet the requirements of TRANS 301; lighting shall be provided to illuminate the ramp area as required by ADA Part 1192.31 (c)
- 46) Wheelchair position(s) shall be forward facing and shall provide a floor space area of at least 32" X 48" for each position as required by ADA and as specified in TRANS 301; the vehicle shall have the ability to handle up to two wheelchairs, with both positions meeting the 32" X 48" requirement
- 47) Wheelchair securement: Wheel chair position(s) shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 48) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four stud, double plunger attachment for added strength, the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location; an independent lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly.....	6,000 lbs. each minimum
Front belt assembly.....	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at

- 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair
- 49) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be at least 120" long; the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
 - 50) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided
 - 51) Audible back up warning signal

Line Item 00004: Specialized Transit Vehicle**General Specifications**

- 1) GVWR: 6,000 lb. (minimum)
- 2) Wheelbase: 120" (minimum)
- 3) Overall length: 200" (minimum)
- 4) Ground clearance 6" (minimum)

Power Train

- 5) V-6 gasoline engine, 200 horsepower (minimum), flexible fuel capable of running on either regular unleaded or e-85 ethanol, meets EPA 50-state emission levels, low emission vehicle compliant
- 6) Four-speed automatic transmission
- 7) Maximum engine cooling, protected to -30°F
- 8) Engine block heater and cord

General Chassis

- 9) Suspension, maximum available, with stability control
- 10) Power brakes, maximum available, ABS front and rear
- 11) Power steering
- 12) Cruise control
- 13) Alternator with 120 amps. (minimum) output at highway speed, 65 amps. (minimum) output at engine idle speed
- 14) Battery, 685 CCA minimum
- 15) 20-gallon minimum fuel tank conforms to FMVSS 301 and ICC fuel tank regulations
- 16) Four tires on wheels and a temporary spare; tubeless black wall steel belted radial, P205/70 R15 minimum; highway tread
- 17) Two-speed wipers with interval option and washer

Body and Interior

- 18) Heavy-duty insulation package in body sides, doors, roof, and floor
- 19) Full length headliner and panels on doors and body sides
- 20) Full length rubber or vinyl non-slip flooring
- 21) Rubber or vinyl floor mats in the driver's and front passenger's areas
- 22) Heater; combination fresh air and recirculating air heater front and rear; maximum available

- 23) Air conditioning, front and rear
- 24) Rear door with keyed lock, inside release, check arm, defroster, wiper and washer
- 25) Tinted glass, all windows; dark tint in passenger area
- 26) Vented side windows
- 27) Dome lights, front and rear
- 28) Tilt/telescoping steering wheel
- 29) Driver's seat, vinyl, manufacturer's standard; include retractable three-point seat belt, reclining, high back
- 30) Second row seating – optional folding jump seat system; manufacturer's standard, to include retractable 3-point seat belt (with extension to modified floor, if needed), high back, quick release
- 31) Three-person bench seat in rear, vinyl covered; seat belts for all positions; shoulder harnesses for the outboard positions and seat belt extenders in quantities specified in bid document; seat height not to exceed OEM distance from floor when measured 12" in front of seat and headroom equal to or exceeding OEM measurement; all extenders to be of same manufacturer as main belts
- 32) Four passengers plus driver seating capacity; the ability to carry one wheelchair, per ADA requirements
- 33) AM/FM radio, chassis manufacturer's OEM, speakers front and rear
- 34) Gauges: fuel, oil pressure, water temperature, ammeter or voltmeter and door ajar indicator light
- 35) One inside rear-view mirror, manufacturers standard; two exterior rear-view mirrors, left and right, adjustable from driver's seat
- 36) Single color exterior finish (successful bidder will contact recipient for color choice)
- 37) Jack, lug wrench and four-wheel covers
- 38) Air conditioning, front and rear
- 39) Power point for auxiliary power in place of cigarette lighter
- 40) Daytime running lamps

Human Service Vehicle Safety Package

- 41) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 42) Mounted, removable kit containing three reflective warning triangles
- 43) First Aid Kit - Mounted/Removable
 - “Wisconsin 10-unit kit” containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

Accessibility Features

- 44) Manual, fold-up ramp with a non-skid surface; ramp shall have a usable width of 30" (minimum) and a length of 48" (minimum) and meet all requirements of the ADA; it shall be located at the right side door; the right side door shall have a 31" (minimum) opening and shall permit the deployment of the ramp at all times; the ramp must meet the requirements of TRANS 301; lighting shall be provided to illuminate the ramp area as required by ADA Part 1192.31 (c)
- 45) Wheelchair position: shall be forward facing as indicated in the floor plan and shall provide a floor space area of at least 30" X 48", as required by ADA and as specified in TRANS 301.
- 46) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 47) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 48) An independent combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair.

- 49) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement. Together the lap belts must be at least 120" long; the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard

209 (FMVSS 209)

- 50) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided
- 51) Audible back up warning signal

Line Item 00005: Mini Bus

General Specifications

- 1) GVWR: 10,200 lbs. (minimum)
- 2) Wheelbase: 138" (minimum)
- 3) Interior length from driver's seat to back door: 130" (minimum)

Power Train

- 4) 245 horsepower (minimum) engine, V-8, gasoline fuel, EPA 50-state emissions, low emission vehicle compliant, flex-fuel capable of running on gasoline or E-85 preferred
- 5) Four-speed heavy-duty automatic transmission
- 6) Cooling system, heavy duty, including transmission oil cooler
- 7) Maximum engine cooling, protected to -30°F
- 8) Engine block heater and cord

General Chassis

- 9) Dual rear axle 6,050 lbs. (minimum), 3.70 ratio
- 10) Front axle 3900 lbs. (minimum) with stabilizer bar
- 11) Heavy duty shock absorbers
- 12) Power brakes, maximum available, ABS front and rear
- 13) Power steering
- 14) Cruise control
- 15) Tilt/telescoping steering wheel
- 16) Alternator with 160 amps (minimum) output at highway speed and 100 amps (minimum) output at engine idle speed and normal operating temperature; dual 110 Amp alternators may be supplied in lieu of 160 amps alternator
- 17) Dual batteries, each 600 CCA, in body compartment on slide-out enclosed stainless tray with stainless steel roller bearings
- 18) Remote mounted oil filter
- 19) 30-gallon fuel tank minimum, mounted at either mid-ship or rear of frame, conforms to FMVSS 301 and ICC fuel tank regulations; includes locking fuel filler door or locking fuel cap; fuel tank and line shall be insulated from exhaust pipes and other hot components and from exposed electrical apparatus or connections
- 20) Seven tires on wheels, including spare; radial, highway tread, size and rating suitable for GVWR

- 21) Two-speed wipers with interval option and washer
- 22) AM/FM radio, chassis manufacturer's OEM, front and two rear speakers
- 23) Gauges: Speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, water temperature
- 24) Front and rear springs, heavy duty, rubber shear, to match GVWR
- 25) Stainless steel exhaust pipe hangers

Body and Interior

- 26) Body must confirm to FMVSS No. 220 (School Bus Rollover Protection) and No. 221 (Joint Strength)
- 27) Interior headroom: 73" (minimum)
- 28) Interior width: 81" (minimum)
- 29) Exterior width: 87" (minimum)
- 30) Passenger walking area, center of vehicle, 16" width (minimum), for full length of passenger compartment
- 31) Seating for 12 adult passengers plus driver; all seating forward facing; all seats to have 17 1/2" width (minimum) per passenger
- 32) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. minimum vinyl both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" (minimum); each seat to have an integral three-point seat belt; seat belt extenders to be provided as noted in bid package; all extenders must be of same manufacturer as main belts
- 33) Driver's seat shall be upholstered high-back bucket type as supplied by chassis manufacturer, including a retractable three-point belt; seat shall be adjustable forward and backward and be able to be titled forward and backward
- 34) Right side front entrance door, electrically-operated, with door leaves opening outward; the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat
- 35) Emergency exit shall consist of two side windows or/and one rear door. The emergency exit(s) must be labeled "Emergency Exit" and have decals or lettering to indicate location and opening instructions; if **rear door**, shall have upper and lower portions, keyed inside lock, inside release, latch with buzzer and check arm; If **windows**, shall have one push-out emergency exit window per side with buzzers
- 36) Horizontal sliding sash or "T-type" windows; If windows are to be used as rear emergency exits, must include one push-out emergency exit window per side as indicated above
- 37) Visibility windows ahead of entrance door
- 38) Tinted windshield and windows in driver's cab area, chassis manufacturer's standard;

- dark tinted glass in passenger area
- 39) Sloping grab rails on both sides of entrance well; horizontal grab rail located above and parallel to door opener rod; the front entrance shall conform to 49 C.F.R Part 38 – Subpart B, Section 38.29
 - 40) Padded panel located in front of first seats on driver's side, padding on the side that faces the passengers; panel must extend from wall to aisle
 - 41) Padded stanchions located behind driver and at the entrance door, anchored into a structural member or backing plate.
 - 42) Plywood over steel floor in passenger area, plywood to be ½" thick (minimum) treated to resist moisture and decomposition; floor covering to be high-quality commercial grade rubber, elastomeric or plastic-type covering, laid with compatible adhesive; floor covering to be smooth under seats and ribbed in the aisle with aluminum strips over seams and cove moldings at the walls; driver's area to be covered with insulated mat as supplied by the manufacturer
 - 43) Entrance well steps to be stainless steel covered with 3/16" ribbed heavy-duty rubber; step nosings to be yellow; first step to be approximately 10½" from ground and all risers to be of approximately equal height with a maximum height of 9½"
 - 44) Interior sidewalls and roof head lining, manufacturer's standard
 - 45) Header pads at right front entrance door and emergency door (if applicable)
 - 46) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
 - 47) Complete body thermal insulation – minimum of 1.5" fiberglass or equal insulation in body sides, rear and roof, 0.5" rigid foam insulation in floor
 - 48) Front heater and defroster for windshield and adjacent side windows, one rear under-seat heater with a rating of 65,000 BTU (minimum)
 - 49) Interior fuel line inspection plate
 - 50) Weather pack electrical connector system
 - 51) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
 - 52) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily assessable behind a removable or swing-open panel
 - 53) All accessories and electrical equipment, except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet requirements of ADA
 - 54) Interior lights: one dome light in driver's area; four dome lights equally spaced over passenger seating, two on each side; step well light; red light at emergency exit: light to illuminate the lift and approach; step well light and emergency exit light wired to headlamp switch step well light operated by door opener; must meet ADA requirements; the door and step well shall be lighted in accordance with 49 C.F.R. Part 38 – Subpart B Section 38.31

- 55) Exterior lights: head lights; daytime running lights; three amber identification lights front; three red identification lights rear; front, rear and side directional signals; two stop lamps 4" (minimum); two tail lamps 4" (minimum), two back-up lights 4" (minimum); four clearance lights, amber at front corners, red at rear corners; license plate lamp; all exterior lights except headlights to be of LED type
- 56) Mirrors: one inside rear view mirror as supplied by chassis manufacturer, in accordance with TRANS 301 requirement set by GVWR; two exterior heated rear view mirrors, adjustable by driver from seat in normal driving position, left and right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right showing driver a view from the entrance door rearward, 3" diameter (minimum); exterior cross-view mirrors at left and right front corners to agree with federal school bus standards.
- 57) Passenger side cowl protection from stones thrown from front wheels; mud flaps for rear wheels
- 58) Front bumper as supplied by chassis manufacturer, stainless steel; rear bumper, stainless steel, one-piece wrap-around type, attached to chassis frame rails
- 59) Color: manufacturer's standard white with approximately 3" transit accent striping above windows and approximately 8" transit accent striping below windows; winning bidder to contact recipient to determine accent color; 2" reflective tape to be applied to outline rear of vehicle and along the driver and curb sides of vehicle
- 60) Back-up warning signal
- 61) Air conditioning, dash, plus additional 60,000 BTU/hr. evaporator with skirt mounted condenser with stainless steel fittings
- 62) Expanded stainless steel running board with 11 gauge metal step tread, and 11 gauge hanger assembly with a 16 gauge framing on driver's side with a maximum ground-to-step height of 12" with and a minimum tread depth of 8" and must extend 6" maximum outward from driver door threshold; it shall extend from the rear of the front wheel to, at a minimum, the rear of the driver's door
- 63) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed recipient shall also be provided with a weight distribution analysis and dimensional floor plan of the vehicle

Human Service Vehicle Safety Package

- 64) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 65) Mounted, removable kit containing three reflective warning triangles

66) First Aid Kit - Mounted/Removable

“Wisconsin 10-unit kit” containing the following:

- 2 packets, 1-inch adhesive bandage
- 2 packets, 2-inch bandage compress
- 4 packets, 4-inch bandage compress
- 1 packet, gauze compress, 24-inch x 24-inch minimum
- 1 packet, triangular bandage, 40-inch

Line Item 00006: Mini Bus - ACCESSIBLE

Line Item 00006 Identical to Line Item 00005 except for:

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

- 1) In lieu of the first two passenger seats behind the driver's seat and passenger side seats, room to allow the installation of the wheelchair lift or as additional equipment needed for safety or passenger comfort requirements

Wheelchair Position (ONE)

- 2) Space allowance: allow 33" width and 52" length (minimum) for one forward-facing wheelchair position immediately rearward of the driver position. A minimum of 16" of clearance on the passenger side of the position must be allowed for passenger access to the ambulatory seating area
- 3) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 4) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 5) A retractable combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

- Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair
- 6) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
 - 7) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided

Wheelchair Lift

- 8) The lift shall be a fully automatic, non-rotary type and shall conform to 49 C.F.R. PART 38 - Subpart B, Section 38.23 to meet ADA requirements; the wheelchair lift shall be installed at the right side, two-part hinged entry door; the doors will have an inside lock, an outside handle, and a device for securing the doors in the open position
- 9) Door ajar chime or buzzer
- 10) The lift may be either electro hydraulically or electromechanically actuated; the lifting capacity shall be 800 lbs. (minimum); the platform may be lowered under power or by gravity, if it is a power down design, there must be a limit switch or bypass valve which prevents the lift from jacking the vehicle; the design of the lifting mechanism shall prevent free fall of the platform; all lift mechanisms shall be enclosed leaving no exposed chains or gears; if the lift has a crossbar at the top, it must be padded and it must not reduce the height of the door opening; when in the stored position, the surfaces of the lift facing the center and to the rear shall also be padded to prevent injury in case of contact in an accident; this requirement shall not apply to the platform surface
- 11) The platform shall measure at least 33" by 48" with the usable width between uprights a minimum of 32"; with the exception of the floor molding, no metal screws are to be used in the fabrication of platform assembly; the platform floor surface shall be of non-skid material; the platform must have an anti-roll barrier at its outer edge; if the lift platform does not remain rigid when it is in its stored position and the power is off, then there must be a mechanical lock to prevent the platform from moving when the vehicle is underway; there must be no exposed shear points between the platform and other structures or surfaces
- 12) The lift shall be controlled from a hand held, weather tight switch box on an

extension cord; there must be a bracket or attaching spot for the switch box inside the vehicle; the switches must give the operator instant and positive control to move, stop or reverse the lift travel at will

- 13) A manual, back-up means for deploying and moving the lift platform in event of a power failure must be provided
- 14) Two handrails for the person standing or seated on the platform must be provided

Additional Required Equipment

- 15) High-idle switch, either automatically enabled by operation of the wheelchair lift or installed on dash
- 16) Lift door light operated by opening and closing of lift door or by switch operated from driver's seat; must meet the requirements of the ADA
- 17) Street-side exhaust
- 18) Seating for seven adult passengers plus driver; all seating forward facing; all seats to have a 17½" width (minimum) per passenger; allow 27" (minimum) between seat centers
- 19) Foldaway passenger seating: the seats removed from the forward facing wheelchair position to be replaced with a two-place forward facing foldaway seat; this seat shall allow 17½" (minimum) of seating space per passenger; feature a 15" (minimum) cushion depth; be upholstered with 32 oz. (minimum) vinyl, be equipped with a two-point retractable seat belts with extenders to be of sufficient length to be comfortably used by adults and be attached to the vehicle floor; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; such seat shall, when deployed for seating passengers, leave an aisle of 16" (minimum) between the outermost edge of seat and the wheelchair lift and its supports

Line Item 00007: Mini Bus – SINGLE REAR WHEEL**General Specifications**

- 1) GVWR: 9,600 lbs. (minimum)
- 2) Wheelbase: 135" (minimum)
- 3) Interior length from driver's seat to back door: 130" (minimum)

Power Train

- 4) 245 horsepower (minimum) engine; V-8, gasoline fuel, EPA 50-state emissions, capable of running on either gasoline or E-85, low emission vehicle compliant
- 5) four-speed heavy-duty automatic transmission
- 6) Cooling system, heavy duty, including transmission oil cooler
- 7) Maximum engine cooling, protected to -30°F
- 8) Engine block heater and cord

General Chassis

- 9) Single rear axle, 6,050 lbs. (minimum), 3.70 ratio
- 10) Front axle, 4,600 lbs. (minimum) with stabilizer bar
- 11) Heavy duty shock absorbers
- 12) Power brakes, maximum available, ABS front and rear
- 13) Power steering
- 14) Cruise control
- 15) Tilt/telescoping steering wheel
- 16) Alternator with 160 amps (minimum) at highway speed and 100 amps (minimum) output at engine idle speed and normal operating temperature; dual 110 amp alternators are acceptable in lieu of 160 amps alternator
- 17) Remote mounted oil filter
- 18) Dual batteries, each 600 CCA, in body compartment on slide-out enclosed stainless tray with stainless steel roller bearings
- 19) 30-gallon fuel tank minimum, mounted at either mid-ship or rear of frame, conforms to FMVSS 301 and ICC fuel tank regulations; includes locking fuel filler door or locking fuel cap; fuel tank and line shall be insulated from exhaust pipes and other hot parts and from exposed electrical apparatus or connections
- 20) Five tires on wheels, including spare, radial, highway tread, size and rating suitable for GVWR
- 21) Two-speed wipers with interval option, and washer
- 22) AM/FM radio, chassis manufacturer's OEM, front and two rear speakers

- 23) Gauges: speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, water temperature
- 24) Front and rear springs, heavy duty, rubber shear, to match GVWR
- 25) Stainless steel exhaust pipe hangers

Body and Interior

- 26) Body must conform to Federal Motor Vehicle Safety Standards No. 220 (School Bus Rollover Protection) and 221 (Joint Strength)
- 27) Interior headroom: 73" (minimum)
- 28) Interior width: 74" (minimum)
- 29) Exterior width: 84" (maximum)
- 30) Passenger walking area, center of vehicle, 16" width (minimum) for full length of passenger compartment
- 31) Seating for seven adult passengers plus driver; all seating forward facing; all seats to have a 17½" width (minimum) per passenger; allow 27" (minimum) between seat centers
- 32) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. (minimum) vinyl; both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" (minimum); each seat to have an integral three-point seat belt; seat belt extenders to be provided as noted in bid package; all extenders must be of the same manufacturer as main belts
- 33) Driver's seat shall be upholstered high-back bucket type as supplied by chassis manufacturer, including a retractable three-point seat belt; seat shall be adjustable forward and backward and be able to be tilted forward and backward
- 34) Right side front entrance door, electrically operated, with door leaves opening outward, the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat.
- 35) Emergency exit shall consist of two side windows or/and one rear door. The emergency exit(s) must be labeled "Emergency Exit" and have decals or lettering to indicate location and opening instructions; **if rear door**, shall have upper and lower portions, keyed inside lock, inside release, latch with buzzer and check arm; **If windows**, shall have one push-out emergency exit window per side with buzzers
- 36) Horizontal sliding sash or T-Type windows: if windows are to be used as rear emergency exits, must include one push-out emergency exit window per side as indicated above
- 37) Visibility windows ahead of entrance door
- 38) Tinted windshield and windows in driver's cab area; chassis manufacturer's standard; dark tinted glass in passenger area
- 39) Sloping grab rails on both sides of entrance well; horizontal grab rail located

- above and parallel to door opener rod (if applicable); the front entrance shall conform to 49 C.F.R. Part 38—Subpart B, Section 38.29
- 40) Padded panel located in front of first seats on driver's side; padding on the side that faces passengers; panel must extend from wall to aisle
 - 41) Padded stanchions located behind driver and at the entrance door, anchored into a structural member or backing plate
 - 42) Plywood over steel floor in passenger area; plywood to be ½" thick (minimum) and treated to resist moisture and decomposition; floor covering to be high-quality commercial grade rubber, elastomeric or plastic type covering, laid with compatible adhesive; floor covering to be smooth under seats and ribbed in the aisle, with aluminum strips over seams and cove moldings at the walls; driver's area to be covered with insulated mat as supplied by chassis manufacturer.
 - 43) Entrance well steps to be stainless steel covered with 3/16" ribbed heavy-duty rubber; step nosings to be yellow; first step to be approximately 10½" from the ground and all risers to be of approximately equal height with a maximum heights of 9½"
 - 44) Interior sidewalls and roof head lining: manufacturer's standard
 - 45) Header pads at right front entrance door and emergency door (if applicable)
 - 46) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
 - 47) Complete body thermal insulation – 1½" (minimum) fiberglass or equal insulation in body sides, rear and roof; ½" rigid foam insulation in floor
 - 48) Front heater and defroster for windshield and adjacent side window; one rear under-seat heater with a rating of 65,000 BTU (minimum)
 - 49) Interior fuel line inspection plate
 - 50) Weather pack electrical connector system
 - 51) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
 - 52) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily assessable behind a removable or swing-open panel
 - 53) All accessories and electrical equipment, except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet requirements of the ADA
 - 54) Interior lights: one dome light in driver's area; four dome lights equally spaced over passenger seating, two on each side; step well light; red light at emergency exit; light to illuminate the lift and approach; step well light and emergency exit light wired to headlamp switch step well light operated by door opener; must meet ADA requirements; the door and step well shall be lighted in accordance with 49 C.F.R. Part 38 – Subpart B Section 38.31
 - 55) Exterior lights: head lights; daytime running lights; three amber identification lights

- front; three red identification lights rear; front, rear and side directional signals; two stop lamps 4" (minimum); two tail lamps 4" (minimum), two back-up lights 4" (minimum); four clearance lights, amber at front corners, red at rear corners; license plate lamp; all exterior lights except headlights to be of LED type
- 56) Mirrors: one inside rear view mirror as supplied by chassis manufacturer, in accordance with TRANS 301 requirement set by GVWR; two exterior heated rear view mirrors, adjustable by driver from seat in normal driving position, left and right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right showing driver a view from the entrance door rearward, 3" diameter (minimum); exterior cross-view mirrors at left and right front corners to agree with federal school bus standards.
- 57) Passenger side cowl protection from stones thrown from front wheels; mud flaps for rear wheels
- 58) Front bumper as supplied by chassis manufacturer, stainless steel; rear bumper, stainless steel, one-piece wrap-around type, attached to chassis frame rails
- 59) Color: manufacturer's standard white with approximately 3" transit accent striping above windows and approximately 8" transit accent striping below windows; winning bidder to contact recipient to determine accent color; 2" reflective tape to be applied to outline rear of vehicle and along the driver and curb sides of vehicle
- 60) Back-up warning signal
- 61) Air conditioning, dash, plus additional 65,000 BTU/hr. evaporator with skirt mounted condenser with stainless steel fittings
- 62) Expanded stainless steel running board with 11 gauge metal step tread, and 11 gauge hanger assembly with a 16 gauge framing on driver's side with a maximum ground-to-step height of 12" with and a minimum tread depth of 8" and must extend 6" maximum outward from driver door threshold; it shall extend from the rear of the front wheel to, at a minimum, the rear of the driver's door
- 63) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed recipient shall also be provided with a weight distribution analysis and dimensional floor plan of the vehicle
- 64) Front and rear (thrust angle) alignment to be performed after assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed; the recipient shall also be provided with a weight distribution analysis and a dimensional floor plan of the vehicle
- 65) Street side exhaust

Human Service Vehicle Safety Package

- 66) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 67) Mounted, removable kit containing three reflective warning triangles
- 68) First Aid Kit - Mounted/Removable

“Wisconsin 10-unit kit” containing the following:

- 2 packets, 1-inch adhesive bandage
- 2 packets, 2-inch bandage compress
- 4 packets, 4-inch bandage compress
- 1 packet, gauze compress, 24-inch x 24-inch minimum
- 1 packet, triangular bandage, 40-inch

ACCESSIBILITY MODIFICATIONS

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

Wheelchair Position (ONE)

- 69) Space allowance: allow 33” width and 52” length (minimum) for one forward-facing wheelchair position immediately rearward of the driver position. A minimum of 16” of clearance on the passenger side of the position must be allowed for passenger access to the ambulatory seating area
- 70) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 71) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 72) A retractable combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder”

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 73) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 74) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided

Wheelchair Lift

- 75) The lift shall be a fully automatic, non-rotary type and shall conform to 49 C.F.R. PART 38 - Subpart B, Section 38.23 to meet ADA requirements; the wheelchair lift shall be installed at the right side, two-part hinged entry door; the doors will have an inside lock, an outside handle, and a device for securing the doors in the open position
- 76) Door ajar chime or buzzer
- 77) The lift may be either electro hydraulically or electromechanically actuated; the lifting capacity shall be 800 lbs. (minimum); the platform may be lowered under power or by gravity, if it is a power down design, there must be a limit switch or bypass valve which prevents the lift from jacking the vehicle; the design of the lifting mechanism shall prevent free fall of the platform; all lift mechanisms shall be enclosed leaving no exposed chains or gears; if the lift has a crossbar at the top, it must be padded and it must not reduce the height of the door opening; when in the stored position, the surfaces of the lift facing the center and to the rear shall also be padded to prevent injury in case of contact in an accident; this requirement shall not apply to the platform surface
- 78) The platform shall measure at least 33" by 48" with the usable width between uprights a minimum of 32"; with the exception of the floor molding, no metal screws are to be used in the fabrication of platform assembly; the platform floor surface shall be of

non-skid material; the platform must have an anti-roll barrier at its outer edge; if the lift platform does not remain rigid when it is in its stored position and the power is off, then there must be a mechanical lock to prevent the platform from moving when the vehicle is underway; there must be no exposed shear points between the platform and other structures or surfaces

- 79) The lift shall be controlled from a hand held, weather tight switch box on an extension cord; there must be a bracket or attaching spot for the switch box inside the vehicle; the switches must give the operator instant and positive control to move, stop or reverse the lift travel at will
- 80) A manual, back-up means for deploying and moving the lift platform in event of a power failure must be provided
- 81) Two handrails for the person standing or seated on the platform must be provided

Additional Equipment

- 82) High-idle switch, either automatically enabled by operation of the wheelchair lift, or installed on dash
- 83) Lift door light operated by opening and closing of lift door or by switch operated from driver's seat; must meet the requirements of the ADA
- 84) Foldaway passenger seating: the seats removed from the forward facing wheelchair position to be replaced with a two-place forward facing foldaway seat; this seat shall allow a 17½" (minimum) of seating per passenger, feature a 15" (minimum) cushion depth, be upholstered with 32 oz. (minimum vinyl), be equipped with two-point retractable seat belts with extenders to be of sufficient length to be comfortably used by adults and be attached to the vehicle floor; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; such seat shall, when deployed for seated passengers, leave an aisle of at least 16" between the outermost edge of seat and the wheelchair lift and its supports

Line Item 00008: Medium Bus

Power Train

- 1) 280 horsepower, V-8 (minimum) engine, gasoline powered, EPA 50-state emissions, low emission vehicle compliant, flexible fuel able to operate on gasoline or E-85 preferred
- 2) Four-speed automatic transmission, heavy-duty, maximum available with transmission oil cooler
- 3) Radiator core, maximum available with anti-freeze protection to -30° F
- 4) Engine block heater and cord

General Chassis

- 5) GVWR: 14,000 lbs. (minimum)
- 6) Wheelbase: 176" (minimum)
- 7) Front axle: 4,600 lbs. (minimum)
- 8) Rear axle: 9,400 lbs. (minimum) with axle ratio suitable for use in both city and sustained highway driving
- 9) Heavy duty shock absorbers, front and rear, and front stabilizer bar
- 10) Dual rear wheels
- 11) Seven tires radial, highway tread, including spare tire mounted on rim of size and rating suitable for GVWR
- 12) Alternator with 160 amps (minimum) output at highway speed and 100 amps (minimum) output at engine idle speed and normal operating temperature; dual 110 amp alternators will be accepted in lieu of 160 amp alternator
- 13) Remote mounted oil filter
- 14) Dual batteries, each 690 CCA (minimum), in body compartment on slide out enclosed stainless tray with stainless steel roller bearings
- 15) Power steering
- 16) Tilt/telescoping steering wheel
- 17) Cruise control
- 18) Power brakes, maximum available, ABS front and rear
- 19) Drive shaft guards
- 20) Fuel tank, 30 gallon (minimum), conforms to FMVSS 301 and ICC fuel tank regulations
- 21) Locking fuel cap or locking fuel door
- 22) High idle switch, either automatically enabled by operation of wheelchair lift or installed on dash
- 23) Stainless steel exhaust pipe hangers

Body and Interior

- 24) Sides, floor, roof and other structural features of the bus body must meet FMVSS 220 (School Bus Rollover Protection) and FMVSS 221 (Joint Strength)
- 25) Interior headroom: 75" (minimum)
- 26) Interior width: 89" (minimum)
- 27) Exterior width: 96" (maximum)
- 28) Aisle width: 16" (minimum) for full length of passenger compartment.
- 29) Seating for 16 adult passengers plus driver; all seating shall be forward facing two-place seats with 17½" (minimum) seating space per person; Allow 27" (minimum) between seat centers;
- 30) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. minimum vinyl.; both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" minimum; each seat to have an integral three-point seat belt; seat belt extenders to be provided as notes in bid package; all extenders must be of same manufacturer as main belts
- 31) Driver's seat shall be deluxe upholstered, high back, with the following adjustments: forward and backward, backrest pitch and cushion depth; include retractable three-point seat belt
- 32) Right side front entrance door, electrically operated, with door leaves opening outward.; the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat
- 33) Rear emergency door with glass in upper and lower portions, sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked; "Emergency Door" lettering inside and outside with 2" letters; paint arrows showing direction of door handle action inside and outside
- 34) Horizontal sliding sash or "T-type" side passenger windows; include two push out emergency exit windows per side with buzzers and lettering or decals to indicate location and opening instructions
- 35) Tinted glass for all windows including the windshield; dark tint glass in passenger area
- 36) Overhead handrails; sloping grab rails on both sides of entrance door and front entrance shall conform with 49 C.F.R. PART 38 - Subpart B, Section 38.29
- 37) Padded panels located in front of first seats on curb and driver's side, anchored securely to floor
- 38) Padded stanchions located behind driver and at the entrance door, anchored to floor and at ceiling into a structural member or backing plate
- 39) Body exterior to be constructed of fiberglass reinforced plastic over plywood exterior attached securely to the structure; window openings to be molded into the

- body to reduce wind noise and leaks; grouted openings are not acceptable
- 40) Plywood over polyurethane underbelly sub floor (steel or aluminum) built on 11-gauge steel tubing framework; plywood 5/8" thick (minimum) fully treated to resist moisture and decomposition; floor covering to be high-quality slip-resistant commercial transit grade rubber, elastomeric or plastic covering, laid with compatible adhesive; Floor covering to be smooth under seats and ribbed in aisle, with welded seams and cove moldings at the walls; passenger area floor to be flat with no wheel housings visible
 - 41) Entrance well steps to be stainless steel covered with same material as flooring; Step nosings to be yellow; first step to be between 9½ and 11" from the ground, and all risers of approximately the same height with a maximum of 9½"; step well to be constructed of fiberglass
 - 42) Tinted windshield, shaded
 - 43) Color: manufacturer's standard white gel coat; 2" reflective tape to be applied to outline rear of vehicle with one strip of reflective 2" tape along the driver and curb sides of the vehicle
 - 44) Header pads at right front entrance door and at emergency door
 - 45) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
 - 46) Complete body thermal insulation; equivalent of 1½" of fiberglass insulation in body sides, rear and roof; ½" rigid foam in floor
 - 47) Front primary heater and defrosters for windshield and adjacent side windows one rear under seat heater and one midship with rating of 70,000 BTU each (minimum); heaters individually controlled
 - 48) Interior fuel line inspection plate
 - 49) Weather pack electrical connector system
 - 50) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
 - 51) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily accessible behind a removable or swing open panel
 - 52) All accessories and electrical equipment except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet ADA requirements on lift-equipped buses
 - 53) Interior lights: one dome light in driver's area; four dome lights equally spaced over passenger seating, two on each side; step well light; red light at emergency exit; light to illuminate the lift and approach; step well light and emergency exit light wired to headlamp; switch step well light operated by door opener; must meet ADA requirements; the door and step well shall be lighted in accordance with 49 C.F.R. Part 38 – Subpart B Section 38.31
 - 54) Exterior lights: head lights; daytime running lights; three amber identification lights

- front; three red identification lights rear; front, rear and side directional signals; two stop lamps 4" (minimum); two tail lamps 4" (minimum), two back-up lights 4" (minimum); four clearance lights, amber at front corners, red at rear corners; license plate lamp; all exterior lights except headlights to be of LED type
- 55) Daytime running lights
 - 56) Mirrors: One 6" x 30" inside rear view mirror above driver; two exterior heated rear view mirrors, adjustable by driver from driver's seat in normal driving position; one left and one right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right showing driver a view from the entrance door rearward, 3" diameter (minimum); exterior cross-view mirrors at left and right corners, to agree with federal school bus standards
 - 57) Gauges: Speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, water temperature
 - 58) Passenger side cowl protection from stones thrown from front wheels; mud flaps rear
 - 59) Stainless steel front bumper; rear bumper one-piece wrap-around type, stainless steel, attached to chassis frame rails
 - 60) Electric two speed windshield wipers with variable intermittent feature and electric washer
 - 61) Color: manufacturer's standard white with approximately 3" transit accent striping above windows and approximately 8" transit accent striping below windows; winning bidder to contact recipient to determine accent color; 2" reflective tape to be applied to outline rear of vehicle and along the driver and curb sides of vehicle
 - 62) AM/FM radio, chassis manufacturer's OEM, with four speakers installed throughout passenger area
 - 63) Air conditioning front and rear; chassis manufacturer's standard front; 70,000 BTU/hour with rear evaporator and skirt mounted condenser with stainless steel fittings
 - 64) Back-up warning signal
 - 65) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed; the recipient shall also be provided with a weight distribution analysis and floor plan for the vehicle
 - 66) Street-side exhaust
 - 67) Heavy-duty rear suspension fitted with a rubber shear spring suspension working in conjunction with the OEM chassis leaf spring suspension to match specified GAWR; this added suspension, consisting of a spring carrier assembly, frame hanger assembly, cross-member tube assembly and carrier spring assembly, shall be installed in lieu of the original spring hanger and shackle assembly; the frame hanger must bolt into the existing OEM spring hanger holes in the frame; the modified suspension must not alter the OEM gross axle weight rating

- 68) Expanded metal stainless steel running board with 11 gauge expanded metal step tread; an 11 gauge hanger assembly with a 16 gauge framing on driver's side with a maximum ground-to-step height of 12" and a minimum tread depth of 8"; must extend 6" maximum outward from driver door threshold; it shall extend from the rear of the front wheel to, at a minimum, the rear of the driver's door

Human Service Vehicle Safety Package

- 69) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 70) Mounted, removable kit containing three reflective warning triangles
- 71) First Aid Kit - Mounted/Removable
- "Wisconsin 10-unit kit" containing the following:
- 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

ACCESSIBILITY MODIFICATIONS

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

Wheelchair Positions (TWO)

- 72) Space allowance: allow 33" width and 52" length (minimum) for each forward-facing wheelchair position immediately rearward of the driver position.
- 73) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 74) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location

- 75) A retractable combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 76) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 77) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided
- 78) Fold-away passenger seating: the original passenger seats removed from each forward facing wheelchair position will be replaced with two-place forward facing fold-away seats; these seats shall allow 17½" (minimum) of seating space per passenger, feature a 15" (minimum) cushion depth, allow 27" (minimum) between seat centers, be upholstered with 32 oz. (minimum) vinyl and be equipped with two point retractable seat belts of a length sufficient to be comfortably used by adults; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; three foldaway seats shall be installed and evenly spaced in the area where the four bench seats were removed to allow for the two wheelchair positions

Wheelchair Lift

- 79) The lift shall be a fully automatic, non-rotary type and shall conform to 49 C.F.R. PART 38 - Subpart B, Section 38.23 to meet ADA requirements; the wheelchair

lift in the bus shall be installed in the right side, immediately behind the entrance door; two separate swing-out doors with glass in the upper portions shall be provided for the lift opening; the doors will have at least one inside lock and outside handle and also have a device for securing them in the open position

- 80) Door ajar chime or buzzer
- 81) The lift may be either electro hydraulically or electromechanically actuated; the lifting capacity shall be 800 lbs. (minimum); the platform may be lowered under power or by gravity, if it is a power down design, there must be a limit switch or bypass valve which prevents the lift from jacking the vehicle; the design of the lifting mechanism shall prevent free fall of the platform; all lift mechanisms shall be enclosed leaving no exposed chains or gears; if the lift has a crossbar at the top, it must be padded and it must not reduce the height of the door opening; when in the stored position, the surfaces of the lift facing the center and to the rear shall also be padded to prevent injury in case of contact in an accident; this requirement shall not apply to the platform surface
- 82) The platform shall measure at least 33" by 48" with the usable width between uprights a minimum of 32"; with the exception of the floor molding, no metal screws are to be used in the fabrication of platform assembly; the platform floor surface shall be of non-skid material; the platform must have an anti-roll barrier at its outer edge; if the lift platform does not remain rigid when it is in its stored position and the power is off, then there must be a mechanical lock to prevent the platform from moving when the vehicle is underway; there must be no exposed shear points between the platform and other structures or surfaces
- 83) The lift shall be controlled from a hand held, weather tight switch box on an extension cord; there must be a bracket or attaching spot for the switch box inside the vehicle; the switches must give the operator instant and positive control to move, stop or reverse the lift travel at will
- 84) A manual, back-up means for deploying and moving the lift platform in event of a power failure must be provided
- 85) Two handrails for the person standing or seated on the platform must be provided

Line Item 00009: Medium Bus – LOW FLOOR**Power Train**

- 1) 280 horsepower, V-8 (minimum) engine, gasoline powered, EPA 50-state emissions, low emission vehicle compliant, flexible fuel able to operate on gasoline or E-85 preferred
- 2) Four-speed (minimum) automatic transmission, heavy-duty, maximum available with transmission oil cooler
- 3) Radiator core, maximum available with anti-freeze protection to -30° F
- 4) Engine block heater and cord

General Chassis

- 5) GVWR: 14,200 lbs. (minimum)
- 6) OEM axles; front and rear air suspension with constant ride height control, kneeling capability, and an engine mounted air compressor
- 7) Heavy duty shock absorbers, front and rear, and front stabilizer bar
- 8) Manufacturer's standard fully steel belted tubeless radial for the size and GVW of the bus; the weight distribution of the bus with maximum load shall not load the tires beyond their capacity; spare wheel with mounted tire to be provided
- 9) Alternator shall be sized to meet the electrical load requirements and maintain a charges battery system; alternator shall be 200 amps (minimum); diesel engine shall have dual 145 amps (minimum) alternators
- 10) Remote mounted oil filter
- 11) Dual, maintenance-free type 12-volt batteries, in body compartment on slide out enclosed stainless tray with stainless steel roller bearings; each battery shall be rated at a minimum of 750 CCA; battery cables shall be a minimum of #2 Battery cable; the battery cables shall be soldered by emersion to fill all voids; cables are to be sleeved and shrink tubing shall be used at each fitting; an easily accessible batter disconnect switch shall be provided
- 12) Power steering
- 13) Tilt/telescoping steering wheel
- 14) Cruise control
- 15) OEM service brakes shall be all-wheel disc with four-wheel anti-lock system; braking system shall be heaviest duty available for the GVWR of the vehicle; braking system shall comply with FMVSS 121 or FMVSS 105 as applicable
- 16) Parking brake shall be internal rear disc type capable of holding a fully loaded vehicle on a 15% incline; system shall incorporate a warning light on the instrument panel to indicate to the driver when the parking brake is on

- 17) Drive shaft shall be rated capable of transmitting the torque multiplication of the power units to the drive wheels; drive shaft shall be a heavy-duty type utilizing one or more Spicer needle bearing universal joints; protective metal guards for the shaft shall be provided on each drive line section to prevent a broken shaft from touching the ground, contacting any brake line or whipping the floor; drive shaft guards shall conform to 40 C.F.R. 393.89
- 18) Fuel tank, 50 gallon (minimum), conforms to FMVSS 301 and ICC fuel tank regulations; internally baffled to prevent surging and rigidly supported by at least two supports; a frame or shield shall be incorporated to preclude puncture in an accident; filter to provide easy servicing
- 19) Locking fuel cap or locking fuel door
- 20) Heavy-duty, corrosion resistant exhaust system that meets or exceeds FMVSS and EPA noise level and exhaust emission (smoke and noxious gas) requirements; tailpipe shall be stainless steel in front of the muffler and aluminized steel aft of the muffler and terminate behind left rear wheel directing exhaust away from curb; exhaust components shall be securely attached to chassis frame with stainless steel exhaust pipe hangers; exhaust system shall be properly insulated from the fuel tank and any connection thereof; at any point 12" or less from the tank or connections a shield shall be provided on the exhaust system

Body and Interior

- 21) Sides, floor, roof and other structural features of the bus body must meet FMVSS 220 (School Bus Rollover Protection) and FMVSS 221 (Joint Strength); steel structure must extend below the floor level to the lowest point in the sidewall; wall structure that ends at floor line will not be permitted; lower skirts that are not an integral part of the sidewall are not permitted
- 22) Door opening width: 39" (minimum)
- 23) Interior headroom: 75" (minimum)
- 24) Interior width: 89" (minimum)
- 25) Exterior width: 96" (maximum)
- 26) Aisle width: 16" (minimum) for full length of passenger compartment.
- 27) Seating for 16 adult passengers plus driver; all seating shall be forward facing two-place seats with 17½" (minimum) seating space per person; Allow 27" (minimum) between seat centers;
- 28) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. minimum vinyl.; both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" minimum; each seat to have an integral three-point seat belt; seat belt extenders to be provided as notes in bid package; all extenders must be of same manufacturer as main belts

- 29) Driver's seat shall be deluxe upholstered, high back, with the following adjustments: forward and backward, backrest pitch and cushion depth; include retractable three-point seat belt
- 30) Right side front entrance door, electrically operated, with door leaves opening outward.; the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat
- 31) Rear emergency door with glass in upper and lower portions, sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked; "Emergency Door" lettering inside and outside with 2" letters; paint arrows showing direction of door handle action inside and outside
- 32) Horizontal sliding sash or "T-type" side passenger windows; include two push out emergency exit windows per side with buzzers and lettering or decals to indicate location and opening instructions
- 33) Tinted glass for all windows including the windshield; dark tint glass in passenger area
- 34) Overhead handrails; sloping grab rails on both sides of entrance door and front entrance shall conform with 49 C.F.R. PART 38 - Subpart B, Section 38.29
- 35) Padded panels located in front of first seats on curb and driver's side, anchored securely to floor
- 36) Padded stanchions located behind driver and at the entrance door, anchored to floor and at ceiling into a structural member or backing plate
- 37) Body exterior to be constructed of fiberglass reinforced plastic over plywood exterior attached securely to the structure; window openings to be molded into the body to reduce wind noise and leaks; grouted openings are not acceptable
- 38) Plywood over polyurethane underbelly sub floor (steel or aluminum) built on 11-gauge steel tubing framework; plywood 5/8" thick (minimum) fully treated to resist moisture and decomposition; floor covering to be high-quality slip-resistant commercial transit grade rubber, elastomeric or plastic covering, laid with compatible adhesive; Floor covering to be smooth under seats and ribbed in aisle, with welded seams and cove moldings at the walls; passenger area floor to be flat with no wheel housings visible
- 39) Entrance well steps to be stainless steel covered with same material as flooring; Step nosings to be yellow; first step to be between 9½ and 11" from the ground, and all risers of approximately the same height with a maximum of 9½"; step well to be constructed of fiberglass
- 40) Tinted windshield, shaded
- 41) Color: manufacturer's standard white gel coat; 2" reflective tape to be applied to outline rear of vehicle with one strip of reflective 2" tape along the driver and curb sides of the vehicle
- 42) Header pads at right front entrance door and at emergency door

- 43) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
- 44) Complete body thermal insulation; equivalent of 1½" of fiberglass insulation in body sides, rear and roof; ½" rigid foam in floor
- 45) Front primary heater and defrosters for windshield and adjacent side windows one rear under seat heater and one midship with rating of 70,000 BTU each (minimum); heaters individually controlled
- 46) Interior fuel line inspection plate
- 47) Weather pack electrical connector system
- 48) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
- 49) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily accessible behind a removable or swing open panel
- 50) All accessories and electrical equipment except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet ADA requirements on lift-equipped buses
- 51) Interior lights: one dome light in driver's area; four dome lights equally spaced over passenger seating, two on each side; step well light; red light at emergency exit; light to illuminate the lift and approach; step well light and emergency exit light wired to headlamp; switch step well light operated by door opener; must meet ADA requirements; the door and step well shall be lighted in accordance with 49 C.F.R. Part 38 – Subpart B Section 38.31
- 52) Exterior lights: head lights; daytime running lights; three amber identification lights front; three red identification lights rear; front, rear and side directional signals; two stop lamps 4" (minimum); two tail lamps 4" (minimum); two back-up lights 4" (minimum); four clearance lights, amber at front corners, red at rear corners; license plate lamp; all exterior lights except headlights to be of LED type
- 53) Daytime running lights
- 54) Mirrors: One 6" x 30" inside rear view mirror above driver; two exterior heated rear view mirrors, adjustable by driver from driver's seat in normal driving position; one left and one right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right showing driver a view from the entrance door rearward, 3" diameter (minimum); exterior cross-view mirrors at left and right corners, to agree with federal school bus standards
- 55) Gauges: Speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, water temperature
- 56) Passenger side cowl protection from stones thrown from front wheels; mud flaps rear
- 57) Stainless steel front bumper; rear bumper one-piece wrap-around type, stainless steel, attached to chassis frame rails

- 58) Electric two speed windshield wipers with variable intermittent feature and electric washer
- 59) Color: manufacturer's standard white with approximately 3" transit accent striping above windows and approximately 8" transit accent striping below windows; winning bidder to contact recipient to determine accent color; 2" reflective tape to be applied to outline rear of vehicle and along the driver and curb sides of vehicle
- 60) AM/FM radio, chassis manufacturer's OEM, with four speakers installed throughout passenger area
- 61) Air conditioning front and rear; chassis manufacturer's standard front; 70,000 BTU/hour with rear evaporator and skirt mounted condenser with stainless steel fittings
- 62) Back-up warning signal
- 63) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed; the recipient shall also be provided with a weight distribution analysis and floor plan for the vehicle
- 64) Street-side exhaust
- 65) Heavy-duty rear suspension fitted with a rubber shear spring suspension working in conjunction with the OEM chassis leaf spring suspension to match specified GAWR; this added suspension, consisting of a spring carrier assembly, frame hanger assembly, cross-member tube assembly and carrier spring assembly, shall be installed in lieu of the original spring hanger and shackle assembly; the frame hanger must bolt into the existing OEM spring hanger holes in the frame; the modified suspension must not alter the OEM gross axle weight rating
- 66) Expanded metal stainless steel running board with 11 gauge expanded metal step tread; an 11 gauge hanger assembly with a 16 gauge framing on driver's side with a maximum ground-to-step height of 12" and a minimum tread depth of 8"; must extend 6" maximum outward from driver door threshold; it shall extend from the rear of the front wheel to, at a minimum, the rear of the driver's door

Human Service Vehicle Safety Package

- 67) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 68) Mounted, removable kit containing three reflective warning triangles
- 69) First Aid Kit - Mounted/Removable
 - "Wisconsin 10-unit kit" containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

ACCESSIBILITY MODIFICATIONS

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

Wheelchair Positions (TWO)

- 70) Space allowance: allow 33" width and 52" length (minimum) for each forward-facing wheelchair position
- 71) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 72) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 73) A retractable combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 74) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 75) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead

storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided

- 76) Fold-away passenger seating: the original passenger seats removed from each forward facing wheelchair position will be replaced with two-place forward facing fold-away seats; these seats shall allow 17½" (minimum) of seating space per passenger, feature a 15" (minimum) cushion depth, allow 27" (minimum) between seat centers, be upholstered with 32 oz. (minimum) vinyl and be equipped with two point retractable seat belts of a length sufficient to be comfortably used by adults; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; three foldaway seats shall be installed and evenly spaced in the area where the four bench seats were removed to allow for the two wheelchair positions

Wheelchair Ramp

- 77) Vehicle shall be equipped with an operator-controlled power assist ramp; controls for ramp shall be interlocked with the vehicle emergency brakes and transmission to ensure vehicle cannot be moved when the ramp is not stowed; the ramp shall not be able to be deployed unless the interlocks are engaged; the ramp must meet the requirements of TRANS 301
- 78) Lighting shall be provided to illuminate the ramp area as required by ADA Part 1192.31 (c)
- 79) Chime or buzzer to sound when ramp is being deployed/stowed
- 80) A manual, back-up means for deploying and moving the ramp in event of a power failure

Line Item 00010: Large Bus*Not Originally Built as a School Bus***Power Train**

- 1) Engine, diesel, 200 horsepower (minimum), 400 gross ft-lb torque (minimum), six cylinder (minimum); High idle solenoid, to include necessary equipment to assure minimum coolant temperature of 195°F under normal operating conditions
- 2) Heavy-duty four-speed (minimum) electronically controlled automatic transmission with overdrive; external transmission oil cooler
- 3) Radiator core, maximum available with anti-freeze protection to -30°F
- 4) Engine block heater and cord

General Chassis

- 5) GVWR: 18,900 lbs. (minimum)
- 6) Wheelbase: 208" (minimum)
- 7) Front Axle: 6,000 lbs. (minimum)
- 8) Rear Axle: 13,000 lbs. (minimum) with axle ratio suitable for use in both city and sustained highway driving
- 9) Heavy duty shock absorbers, front and rear, and front stabilizer bar
- 10) Front springs compatible with axle GVWR; heavy-duty rear suspension fitted with a rubber shear spring suspension working in conjunction with the OEM chassis leaf spring suspension to match specified GAWR. This added suspension, consisting of a spring carrier assembly, frame hanger assembly, cross-member tube assembly and carrier spring assembly, shall be installed in lieu of the original spring hanger and shackle assembly. The frame hanger must bolt into the existing OEM spring hanger holes in the frame. The modified suspension must not alter the OEM gross axle weight rating.
- 11) Dual rear wheels
- 12) Seven radial tires, highway tread, including spare tire mounted on rim, and of size and rating suitable for GVWR
- 13) Alternator with 160 amps (minimum) output at highway speed, 100 amps (minimum) output at engine idle speed and normal operating temperature
- 14) Remote mounted oil filter
- 15) Single or dual batteries, 1,400 CCA (minimum) in body compartment on slide-out enclosed stainless tray with stainless steel roller bearings
- 16) Power steering
- 17) Power brakes, maximum available, with ABS front and rear
- 18) Drive shaft guards

- 19) Fuel Tank, 50 gallon (minimum) to conform with FMVSS 301 and ICC fuel tank regulations
- 20) Locking fuel cap or locking fuel door
- 21) Tilt/telescoping steering wheel
- 22) High idle switch, either automatically enabled by operation of wheelchair lift or installed on dash
- 23) Stainless steel exhaust pipe hangers

Body and Interior

- 24) Sides, floor, room and other structural features of the bus body must meet FMVSS 220 (School Bus Rollover Protection) and FMVSS 221 (Joint Strength)
- 25) Interior headroom: 75" (minimum)
- 26) Interior width: 89" (minimum)
- 27) Exterior width: 98" (maximum)
- 28) Aisle width: 16" (minimum) for full length of passenger compartment
- 29) Seating for 26 adult passengers; all seating forward facing; two-place bench seats with 17½" (minimum) seating space per person; allow 27" (minimum) between seat centers
- 30) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. (minimum) vinyl; both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" minimum; each seat to have an integral three-point seat belt; seat belt extenders to be provided as noted in bid package; all extenders must be of same manufacturer as main belts
- 31) Driver's seat shall be deluxe upholstered, high back, with the following adjustments: up and down, forward and backward, backrest pitch and cushion depth: include retractable three-point seat belt
- 32) Right side front entrance door, electrically operated, with door leaves opening outward; the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat
- 33) Rear emergency door with glass in upper and lower portions, sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked; "Emergency Door" lettering inside and out, 2" letters; Paint arrows showing direction of door handle action inside and outside
- 34) Horizontal sliding sash or T-Type side passenger windows; include two push-out emergency exit windows per side with buzzers and lettering or decals to indicate location and operating instructions
- 35) Tinted glass for all windows including the windshield; dark tint glass for windows in passenger area; shaded windshield
- 36) Overhead handrails, sloping grab rails on both sides of entrance door and front entrance shall conform to 49 C.F.R. Part 38 – Subpart B, Section 38.29.

- 37) Padded panels located in front of first seats on curb and driver's side; anchored securely to floor
- 38) Padded stanchions located behind driver and at the entrance door, anchored to floor and at ceiling into structural member or backing plate
- 39) Body exterior to be constructed of fiberglass reinforced plastic over plywood exterior attached securely to the structure; window openings to be molded into the body to reduce wind noise and leaks; grouted openings are not acceptable
- 40) Plywood over polyurethane underbelly sub floor (steel or aluminum) built on 11 gauge steel tubing framework; plywood 5/8" thick (minimum) full treated to resist moisture and decomposition; floor covering to be high-quality slip-resistant commercial transit grade rubber, elastomeric or plastic covering, laid with compatible adhesive; floor covering to be smooth under seats and ribbed in aisle, with welded seams and cove moldings at the walls; passenger area floor to be flat with no wheel housings visible
- 41) Entrance well steps to be stainless steel covered with 3/16" ribbed heavy-duty rubber; step nosings to be yellow; first step to be approximately 10½" from the ground, and all risers to be of approximately equal height with a maximum of 9½"
- 42) Header pads at right front entrance door and at emergency door
- 43) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
- 44) Complete body thermal insulation, equivalent of 1½" fiberglass insulation in body sides, rear and roof; ½" rigid foam in floor
- 45) Front primary heater and defrosters for windshield and adjacent side windows; one rear under-seat heater and one midship, each with a rating of 80,000 BTU; heaters individually controlled
- 46) Interior fuel inspection plate
- 47) Weather pack electrical connector system
- 48) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
- 49) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily accessible behind a removable or swing-open panel
- 50) All accessories and electrical equipment except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet ADA requirements
- 51) Interior Lights: One dome light in driver's area; four dome lights equally spaced over passenger seating, two on each side; step well light; red light at emergency door; light to illuminate the lift and approach; step well light, emergency door light and lift door light wired to headlamp switch; step well light operated by door opener. lift door light operated by opening and closing of lift door; the door and step well shall be lighted in accordance with 49 C.F.R. PART 38 – Subpart b, Section 38.31

- 52) Exterior Lights: head lights, three amber identification lights, front; three red identification lights, rear; front, rear and side directional signals; two stop lamps, 4" (minimum); two back-up lamps, 4" (minimum); four clearance lights, amber at front corners, red at rear corners; minimum of five-year, 150,000-mile warranty
- 53) Mirrors: one 6" x 30" inside rear view mirror above driver; two exterior heated rear view mirrors, adjustable by driver seat in normal driving position, one left and one right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right, showing driver a view from the entrance door rearward, 3" diameter (minimum), exterior cross-view mirrors at left and right front corners, to agree with federal school bus standards
- 54) Gauges: speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, coolant temperature
- 55) Passenger side cowl protection from stones thrown from front wheels, mud flaps rear
- 56) Front bumper as supplied by chassis manufacturer, stainless steel; rear bumper one-piece wrap-around type, stainless steel, attached to chassis frame rails
- 57) Electric two-speed windshield wipers with variable intermittent feature and electric washer
- 58) Color: manufacturer's standard white with approximately 3" transit accent striping above windows and approximately 8" transit accent striping below windows; winning bidder to contact recipient to determine accent color; 2" reflective tape to be applied to outline rear of vehicle and along the driver and curb sides of vehicle
- 59) AM/FM radio, chassis manufacturer's OEM, with four speakers installed throughout the passenger area
- 60) Air conditioning front and rear: 80,000 BTU/hr. with evaporator and skirt mounted condenser with stainless steel fittings
- 61) Back-up warning signal
- 62) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of the alignment showing readings of toe, camber and caster before and after the alignment is performed; the recipient shall also be provided with a weight distribution analysis and floor plan for the vehicle.
- 63) Street-side exhaust
- 64) Daytime running lights

Human Service Vehicle Safety Package

- 65) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 66) Mounted, removable kit containing three reflective warning triangles
- 67) First Aid Kit - Mounted/Removable
 - "Wisconsin 10-unit kit" containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress

- 4 packets, 4-inch bandage compress
- 1 packet, gauze compress, 24-inch x 24-inch minimum
- 1 packet, triangular bandage, 40-inch

ACCESSIBILITY MODIFICATIONS

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

Wheelchair Positions (TWO)

- 68) Space allowance: allow 33" width and 52" length (minimum) for each forward-facing wheelchair position immediately rearward of the driver position
- 69) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 70) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 71) A retractable combination lap and shoulder (three-point) restraint system, which complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows: "front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 72) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the

- belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 73) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided
- 74) Fold-away passenger seating: the original passenger seats removed from each forward facing wheelchair position will be replaced with two-place forward facing fold-away seats; these seats shall allow 17½" (minimum) of seating space per passenger, feature a 15" (minimum) cushion depth, allow 27" (minimum) between seat centers, be upholstered with 32 oz. (minimum) vinyl and be equipped with two point retractable seat belts of a length sufficient to be comfortably used by adults; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; three foldaway seats shall be installed and evenly spaced in the area where the four bench seats were removed to allow for the two wheelchair positions

Wheelchair Lift

- 75) The lift shall be a fully automatic, non-rotary type and shall conform to 49 C.F.R. PART 38 - Subpart B, Section 38.23 to meet ADA requirements; the wheelchair lift in the bus shall be installed in the right side, immediately behind the entrance door; two separate swing-out doors with glass in the upper portions shall be provided for the lift opening; the doors will have at least one inside lock and outside handle and also have a device for securing them in the open position
- 76) Door ajar chime or buzzer
- 77) The lift may be either electro hydraulically or electromechanically actuated; the lifting capacity shall be 800 lbs. (minimum); the platform may be lowered under power or by gravity, if it is a power down design, there must be a limit switch or bypass valve which prevents the lift from jacking the vehicle; the design of the lifting mechanism shall prevent free fall of the platform; all lift mechanisms shall be enclosed leaving no exposed chains or gears; if the lift has a crossbar at the top, it must be padded and it must not reduce the height of the door opening; when in the stored position, the surfaces of the lift facing the center and to the rear shall also be padded to prevent injury in case of contact in an accident; this requirement shall not apply to the platform surface
- 78) The platform shall measure at least 33" by 48" with the usable width between uprights

a minimum of 32"; with the exception of the floor molding, no metal screws are to be used in the fabrication of platform assembly; the platform floor surface shall be of non-skid material; the platform must have an anti-roll barrier at its outer edge; if the lift platform does not remain rigid when it is in its stored position and the power is off, then there must be a mechanical lock to prevent the platform from moving when the vehicle is underway; there must be no exposed shear points between the platform and other structures or surfaces

- 79) The lift shall be controlled from a hand held, weather tight switch box on an extension cord; there must be a bracket or attaching spot for the switch box inside the vehicle; the switches must give the operator instant and positive control to move, stop or reverse the lift travel at will
- 80) A manual, back-up means for deploying and moving the lift platform in event of a power failure must be provided
- 81) Two handrails for the person standing or seated on the platform must be provided

Line Item 00011: Conventional Bus on Cowl Chassis**Power Train**

- 1) Diesel engine, 200 horsepower (minimum), 525 gross lbs. torque (minimum); high idle solenoid
- 2) Electronically controlled automatic transmission
- 3) Radiator core, maximum available with anti-freeze protection to -30°F
- 4) Engine block heater and cord

General Chassis

- 5) GVW: 27,000 lbs. (minimum)
- 6) Wheelbase: 252" (minimum)
- 7) Front axle rating: 9,000 lbs. (minimum)
- 8) Rear axle rating: 19,000 lbs. (minimum)
- 9) Front spring rating: 4,500 lbs. (minimum)
- 10) Rear spring rating 9,500 lbs. (minimum): heavy-duty rear suspension fitted with a rubber shear spring suspension working in conjunction with the OEM chassis leaf spring suspension to match specified GAWR; this added suspension, consisting of a spring carrier assembly, frame hanger assembly, cross-member tube assembly and carrier spring assembly, shall be installed in lieu of the original spring hanger and shackle assembly; the frame hanger must bolt into the existing OEM spring hanger holes in the frame; the modified suspension must not alter the OEM gross axle weight rating
- 11) Radial type tires, tubeless; front - highway tread, 11.00R x 22.5G; rear-mud and snow tread, 11.00R x 22.5G
- 12) Spare, mounted on rim, to match front tread, 11.00R x 22.5G
- 13) Hub piloted 10-stud disc wheels
- 14) Heavy duty shock absorbers, front and rear
- 15) Rear axle with ratio capable of sustained 65 m.p.h. operation
- 16) Alternator with 185 amps (minimum) output at highway speed; 130 amps (minimum) output at engine idle speed and normal operating temperature
- 17) Multiple battery system, total 1950 CCA (minimum), in body compartment on slide-out enclosed stainless tray with stainless roller bearings
- 18) Power brakes, maximum available hydraulic type, ABS front and rear
- 19) Power steering
- 20) Cruise control

- 21) 60 gallon fuel tank, with locking door or fuel cap; conforms to FMVSS 301 and ICC fuel tank regulations
- 22) Fuel tank and line shall be insulated from exhaust pipes and other hot components and from exposed electrical apparatus or connections
- 23) Drive shaft guards
- 24) Gauges: speedometer, odometer, fuel, ammeter or voltmeter, oil pressure, water temperature, hour meter, and tachometer
- 25) Stainless steel exhaust pipe hangers
- 26) Paint, chassis manufacturer's standard colors

Body and Interior

- 27) Sides, floor, roof and other structural features of the bus body must conform with Wisconsin school bus construction standards as specified in TRANS 300.35(1)-(5), in addition to Federal Motor Vehicle Safety Standard No. 220 ("School Bus Rollover Protection.") and FMVSS 221 (Joint Strength)
- 28) Interior headroom: 77" minimum
- 29) Interior width: 89" minimum
- 30) Exterior width: 96" maximum
- 31) Aisle width: 16" minimum for full length of passenger compartment
- 32) Seating for 26 adult passengers; all seating forward facing; two-place bench seats with 17½" (minimum) seating space per person; allow 27" (minimum) between seat centers
- 33) All seats to be mid-high back passenger seats and shall be fully padded with contoured foam seat cushions and contoured backs and upholstered with 32 oz. (minimum) vinyl; both front and rear surfaces of seat back shall be padded; cushion depth shall be 15" minimum; each seat to have an integral three-point seat belt; seat belt extenders to be provided as noted in bid package; all extenders must be of same manufacturer as main belts
- 34) Driver's seat shall be deluxe upholstered, high back, with the following adjustments: up and down, forward and backward, backrest pitch and cushion depth; include retractable three-point seat belt
- 35) Right side front entrance door, electrically operated, with door leaves opening outward; the opening/closing controls shall be installed so as to be within reach of a driver seated in the driver's seat
- 36) Rear emergency door with glass in upper and lower portions, sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked; "Emergency Door" lettering inside and outside, 2" letters; paint arrows showing direction of door handle action inside and outside
- 37) Two-piece rectangular side windows with vertically sliding sash; include two push-out emergency exit windows per side with buzzers and lettering or decals to indicate location and opening instructions

- 38) Tinted glass for all windows including the windshield; include double pane frost-free glass in driver's side window and top part of entrance door; exclude tint on the thermopane side window behind entrance or lift door; dark tint glass in passenger area
- 39) Overhead handrails, sloping grab rails on both sides of entrance door and front entrance shall conform with 49 C.F.R. PART 38 - Subpart B, Section 38.29
- 40) Padded stanchions located behind driver and at the entrance door, anchored to bus floor and to ceiling into a structural member or backing plate
- 41) Plywood over steel floor throughout, 5/8" thick (minimum) and treated to resist moisture and decomposition; floor covering to be high-quality commercial transit grade rubber, elastomeric or plastic covering, laid with compatible adhesive; floor covering to be smooth under seats and ribbed in the aisle with aluminum strips over seams; a luminum or stainless steel cove moldings
- 42) Three - four step entrance well, first step to be approx. 10½" from ground with additional risers of equal height not to exceed 9½"; entrance well steps to be stainless steel covered with 3/16" ribbed heavy-duty rubber; step nosings to be yellow
- 43) Interior sidewalls and roof head lining, manufacturer's standard
- 44) Shoulder pads
- 45) Header pads at right front entrance door and at emergency door
- 46) All exposed surfaces and edges inside and outside shall be free from burrs and other projections
- 47) Complete body thermal insulation, minimum of 1½" fiberglass or equal insulation in body sides, rear, and roof; ½" rigid foam in floor
- 48) Left front primary heater, with defrosters full length of manifold for windshield and adjacent side windows and individual driver foot warmer left side: 90,000 BTU (minimum) combined; two auxiliary defroster fans; step well heater: 90,000 BTU (minimum); under seat heaters, two with a rating of 90,000 BTU's each (minimum); heaters and two-speed fans individually controlled; heater booster pump
- 49) Interior fuel inspection plate
- 50) Weather pack electrical connector system
- 51) All wiring and junction panel terminals shall be numbered or color-coded; provide grommets where wiring passes through metal
- 52) Body electrical circuits to be protected by automatic resetting circuit breakers; include one spare live circuit breaker; all circuit breakers and fuses shall be easily accessible behind a removable or swing open panel; provide grommets where wiring passes through metal
- 53) All accessories and electrical equipment except headlights, taillights and emergency lights are to be wired through the ignition switch; switches and interlocks to meet ADA requirements on lift-equipped buses

- 54) Interior lights: one dome light in driver's area; dome lights equally spaced over passenger seating, one row on each side; step well light; red light at emergency door; Lift equipped vehicles shall have a light to illuminate the lift and approach; step well light, emergency door light, and lift door light wired to headlamp switch; step well light operated by door opener; lift door light operated by opening and closing of lift door; shall meet ADA requirements
- 55) Exterior lights: head lights; three amber identification lights, front; three red identification lights, rear; front, rear and side directional signals; two 7" stop lamps; two tail lamps, 4" (minimum); two back-up lamps, 4" (minimum); four clearance lights, amber at front corners, red at rear corners; license plate lamp; all lights, except headlights, to be of a LED type
- 56) Tinted windshield, shaded
- 57) Mirrors: one 6" x 30" inside rear view mirror above driver; two exterior heated defrosting rearview mirrors, adjustable by driver from seat in normal driving position, left and right, each mirror having a flat reflective area of not less than 50 square inches; one exterior convex mirror mounted on the right showing driver a view from the entrance door rearward, 3" diameter (minimum); exterior cross-view mirrors at left and right front corners to agree with federal school bus standards
- 58) Passenger side cowl protection from stones thrown from front wheels; mud flaps rear
- 59) One-piece frame mounted bumpers front and rear; wrap-around rear bumper; bumpers painted black
- 60) Electric two-speed windshield wipers with intermittent feature and electric windshield washers
- 61) Overall color will match chassis color. Trim color applied to rub rails; successful bidder will contact recipient to determine specific color combinations; apply 2" reflective tape to outline rear of vehicle and apply one strip along the driver and curbsides of the vehicle
- 62) Fuel sender access panel
- 63) AM/FM radio, chassis manufacturers OEM, with minimum of four speakers spaced evenly throughout passenger area
- 64) Air conditioning, driver's module in front; forward facing rear mounted evaporator for passenger area; 90,000 BTU/hr. (minimum) combined capacity with stainless steel fittings
- 65) Sound-absorbing package, including heavy floor mat in driver area, acoustical panel in front ceiling sections, additional undercoating under step well and driver's floor area
- 66) Back-up alarm
- 67) Front and rear (thrust angle) alignment to be performed after vehicle assembly and modifications are complete; the recipient shall be provided with a report of

the alignment showing readings of toe, camber and caster before and after the alignment is performed; recipient shall also be provided with a weight distribution analysis and floor plan for the vehicle

- 68) Daytime running lights
- 69) Tilt steering wheel

Human Service Vehicle Safety Package

- 70) Mounted, removable, metal body fire extinguisher, 5 lb., 2A-10BC, dry chemical
- 71) Mounted, removable kit containing three reflective warning triangles
- 72) First Aid Kit - Mounted/Removable
 - “Wisconsin 10-unit kit” containing the following:
 - 2 packets, 1-inch adhesive bandage
 - 2 packets, 2-inch bandage compress
 - 4 packets, 4-inch bandage compress
 - 1 packet, gauze compress, 24-inch x 24-inch minimum
 - 1 packet, triangular bandage, 40-inch

ACCESSIBILITY MODIFICATIONS

This vehicle and all items specified under this part shall at a minimum meet requirements of 49 C.F.R. PART 38 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES; SUBPART B, except where these specifications exceed ADA minimums.

Wheelchair Positions (TWO)

- 73) Space allowance: allow 33” width and 52” length (minimum) for each forward-facing wheelchair position
- 74) Wheelchair securement: wheelchair position shall have a four-point securement (two front and two back) in the vehicle with track-based anchor points of sufficient strength to secure a wheelchair; the track and all bolts should be of a material designed to eliminate rust and galvanic corrosion
- 75) Securing retractors should be self-tensioning and self-locking and shall have a fully automatic retracting mechanism, which requires no tightening knobs on the individual retractors; the retractors shall have a floor anchorage attachment consisting of an L-Track fitting which shows a positive locking indicator along with a four-stud, double plunger attachment for added strength; the attachment device securing the wheelchair to the retractor shall be a J – Style Hook application for ease of attachment and to make the retractors totally universal in floor location
- 76) A retractable combination lap and shoulder (three-point) restraint system, which

complies with FMVSS 209, shall be provided for each wheelchair occupant; the components shall be easily identified as to their location of use as follows:

"front," "rear" "lap," or "shoulder"

All components shall be able to meet random static testing forces equal to:

Rear belt assembly	6,000 lbs. each minimum
Front belt assembly	2,500 lbs. each minimum
Lap belt assembly.....	2,500 lbs. each minimum
Shoulder belt assembly	2,500 lbs. each minimum
Floor insert assembly	6,000 lbs. each minimum

Forward facing wheelchair restraints shall have all components dynamically tested at 30 m.p.h. 20g force condition, with an impact sled at a test facility such as the University of Michigan's Transportation Research Institute or a reputable equivalent, on both a child stroller type wheelchair and a battery-powered electric wheelchair

- 77) The belts for the wheelchair passenger must be separate and independent from the wheelchair securement; together the lap belts must be 120" long (minimum); the belt assemblies must meet the requirement of Federal Motor Vehicle Safety Standard 209 (FMVSS 209)
- 78) Provision shall be made for a suitable storage device (wall pouch, box or bulkhead storage box) for securing restraint system components when not in use; location of the storage area to be determined by mutual agreement between the vendor and the purchaser; container must meet FMVSS 302 flammability standards; an emergency webbing cutter must be provided
- 79) Fold-away passenger seating: the original passenger seats removed from each forward facing wheelchair position will be replaced with two-place forward facing fold-away seats; these seats shall allow 17½" (minimum) of seating space per passenger, feature a 15" (minimum) cushion depth, allow 27" (minimum) between seat centers, be upholstered with 32 oz. (minimum) vinyl and be equipped with two point retractable seat belts of a length sufficient to be comfortably used by adults; the back cushion shall upon release of a locking device fold down against the seat cushion and lock into place; the release of a quick-release locking device shall allow the seat to be lifted up into a stowed and locked position with all legs or supporting devices folding into the seat bottom; the seat in its stowed and locked position shall protrude no more than 10" from the interior wall; three foldaway seats shall be installed and evenly spaced in the area where the four bench seats were removed to allow for the two wheelchair positions

Wheelchair Lift

- 80) Must meet ADA requirements; the wheelchair lift in a bus on a cowl chassis

shall be installed on the right side, immediately behind the entrance door; two separate doors with glass in the upper portion shall be provided for the lift opening; the doors shall have at least one inside lock and outside handle, and shall also have a device for securing them in the open position

- 81) Door ajar chime or buzzer; strap-type hinge, greaseable
- 82) The lift may be either electro hydraulically or electromechanically actuated; the lifting capacity shall be 800 lbs. (minimum); the platform may be lowered under power or by gravity, if it is a power down design, there must be a limit switch or bypass valve which prevents the lift from jacking the vehicle; the design of the lifting mechanism shall prevent free fall of the platform; all lift mechanisms shall be enclosed leaving no exposed chains or gears; if the lift has a crossbar at the top, it must be padded and it must not reduce the height of the door opening; when in the stored position, the surfaces of the lift facing the center and to the rear shall also be padded to prevent injury in case of contact in an accident; this requirement shall not apply to the platform surface
- 83) The platform shall measure at least 33" by 48" with the usable width between uprights a minimum of 32"; with the exception of the floor molding, no metal screws are to be used in the fabrication of platform assembly; the platform floor surface shall be of non-skid material; the platform must have an anti-roll barrier at its outer edge; if the lift platform does not remain rigid when it is in its stored position and the power is off, then there must be a mechanical lock to prevent the platform from moving when the vehicle is underway; there must be no exposed shear points between the platform and other structures or surfaces
- 84) The lift shall be controlled from a hand held, weather tight switch box on an extension cord; there must be a bracket or attaching spot for the switch box inside the vehicle; the switches must give the operator instant and positive control to move, stop or reverse the lift travel at will
- 85) A manual, back-up means for deploying and moving the lift platform in event of a power failure must be provided
- 86) Two handrails for the person standing or seated on the platform must be provided
- 87) Positioners shall be provided which hold hinged doors of a lift entrance in an open position of at least 90° so as not to obstruct the operation of the lift
- 88) The fully automatic lift will provide a powered mechanism to deploy and retract the lift platform

APPENDIX A

VEHICLE OPTIONS

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
	Mini Van	Mini Van Rear Load	Mini Van Side Load	Specialized Transit Vehicle	Mini Bus	Mini Bus Accessible	Mini Bus Single Rear Wheel	Medium Bus	Medium Bus Low Floor	Large Bus	Conventional Bus
1. Fog Lamps	X	X	X	X	X	X	X	X	X	X	X
2. Diesel Engine: 200 horsepower (min.); hour meter included with gauge package; fast idle solenoid in lieu of low emission gasoline engine; to include necessary equipment (i.e. aux. coolant heater), to assure min. coolant temp. of 195°F under normal operating conditions					X	X	X	X	X		
3. Gas/Electric Hybrid Engine: Hybrid electric drive system to provide a parallel power system to gas engine; hybrid system must include a five-speed automatic transmission, electric launch assist, engine off at idle and								X	X		

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
regenerative braking; system must provide sufficient power such that full power of the gasoline engine is available at all times											
4. Diesel/Electric Hybrid Engine: Hybrid electric drive system to provide a parallel power system to diesel engine; hybrid system must include a five-speed automatic transmission, electric launch assist, engine off at idle and regenerative braking; system must provide sufficient power such that the full power of the diesel engine is available at all times								X	X		
5. Roof-Mounted Amber Strobe Light: Compliant with Wis. Stats. s. 347.25(2m); said statute may be found at this link: http://docs.legis.wisconsin.gov/statutes/statutes/347/II/25/2m					X	X	X	X	X	X	X
6. Upgraded Driver's Seat: Seat shall mount to OEM seat base and use the OEM seat belt; pre-tensioner and air bag system; the seat shall be air suspension type requiring no outside supply of air and					X	X	X	X	X	X	X

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
shall include infinitely adjustable back recline, powder-coated metal, four-way adjustable headrest, tapered back cushion, adjustable lumbar support and adjustable armrest											
7. Driver's Modesty Panel: Plexiglas, 1/4" thick (min.)					X	X	X	X	X	X	X
8. Farebox: Manual, non-registering farebox with high security locks and keys; cabinet not to exceed 7" wide by 17" high; cabinet weight not to exceed 13 lbs.; vault weight not to exceed 6 lbs.; viewing glass to be made of scratch-resistant material; farebox to be mounted on a stanchion of an appropriate size and weight to support unit					X	X	X	X	X	X	X
9. Destination and Route Sign System: System shall be a roller curtain type capable of displaying up to 50 separate readings with 15 characters (min.) per reading; destination or route information shall be displayed on the front of the vehicle; rollers shall be driven by electric motor(s) and the controls shall be by					X	X	X	X	X	X	X

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
momentary toggle switch accessible to the driver from the interior at the sign; a peep hole shall be provided for the driver to view the reading while making reading changes; characters on signs shall conform to all applicable ADA requirements; destination and route sign wiring shall be properly secured											
10. Bicycle Rack: A bicycle rack to be installed at the front exterior of the vehicle capable of carrying two bicycles; rack shall not be greater than 27" deep nor more than 55" wide, shall accommodate bicycles with wheelbases of up to 44", wheel sizes from 20" to 29" (excluding tandems and recumbent bicycles) and tire widths up to 2.35"; bicycle rack shall also support a static load of 250lbs., shall latch securely in both the stowed and the deployed positions, and shall have a stainless steel finish					X	X	X	X	X	X	X
11. Roof-Mounted Air Conditioning Condenser: With branch guard; if ultra-low profile					X	X	X	X	X	X	X

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
condenser is used, then branch guard is not necessary											
12. Rubberized Rear Bumper: To be of “help” type that shall return to its pre-impact shape within 10 minutes of the impact; when using a yard tug with a smooth, flat plate bumper 2” wide contacting the horizontal centerline of the rear bumper the bumper shall provide protection at speeds up to 5 m.p.h., over pavement discontinuities up to 1” high, and at accelerations up to 2 m.p.h. per second					X	X	X	X	X	X	X
13. CNG/Propane Fuel Fittings: The inclusion of the initial fittings for CNG and/or Propane fuel; vehicle to be retrofitted at later date by interested recipients					X	X	X	X	X	X	X
14. Additional Wheelchair Position: The reconfiguration of the seating design to add one (1) additional wheelchair position with foldaway passenger seating; foldaway seating shall meet the specifications as previously described in these specifications						X	X	X	X	X	X

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
15. Additional Wheelchair Positions: The reconfiguration of the seating design to add two (2) additional wheelchair positions with foldaway passenger seating; foldaway seating shall meet the specifications as previously described in these specifications								X	X	X	X
16. Storage Device: A storage device for walkers, crutches, oxygen tanks, canes and braces; design and suggested locations of this storage area shall be provided with bid submittal and approved by WISDOT prior to production						X	X	X	X	X	X
17. Wide Angle Window Lens: 11" x 14 made from clear optical grade PVC, attached to inside of rear window or door window; must be able to be used with rear window defroster						X	X	X	X	X	X
18. High Visibility Wheelchair Lift: In order that the lift platform does not obstruct the view through the window when stowed						X	X	X	X	X	X
19. Combination Escape Hatch/Roof Vent: Transpec Triple								X	X	X	X

OPTION	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011
Value Safety Vent, Transpec Inc. or Emergency Exit Safety Vent, Stretch Forming Corp <u>or</u> approved equal with warning buzzer to be compliant with TRANS 301											
20. Fiberglass Body: Body exterior to be constructed of full gel coated, honeycomb fiberglass integrated into all parts above the floor line and lower skirts incorporated into body without seams; aluminum skins are not acceptable; window openings to be molded into the body to reduce wind noise and leaks; grouted openings are not acceptable								X	X	X	